

# MOLDED POWER TRANSISTOR MOUNTS

## Material Specifications:

Nylon, per ASTM D 4066 PA111  
UL Rated 94V-2

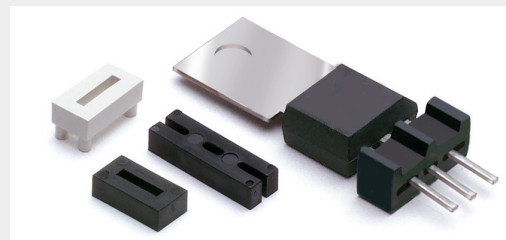
**Oxygen Rating Index:** Over 28%

## Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

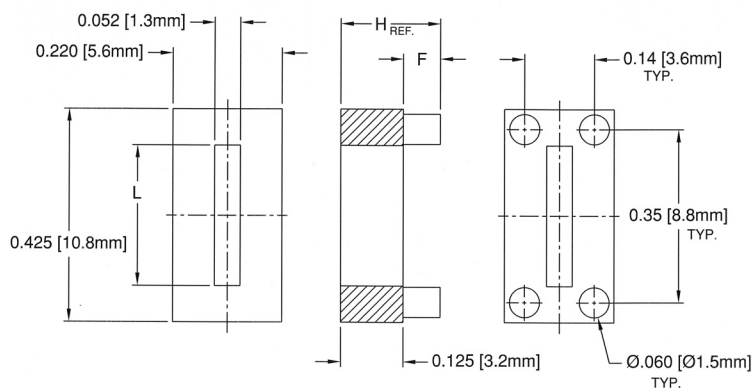
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



## TO-202, TO-220

Price Code: I

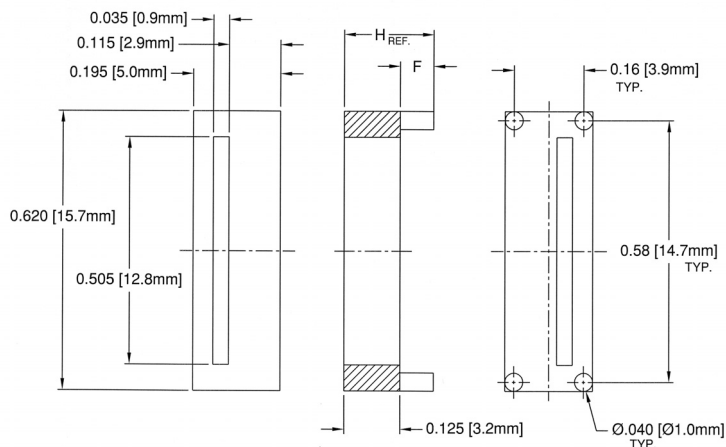
| Part No. | H          | F          | L          | Color |
|----------|------------|------------|------------|-------|
| 423-125  | .125 (3.2) | .000       | .255 (6.5) | Black |
| 423-150  | .150 (3.8) | .025 (.64) | .255 (6.5) | Black |
| 423-175  | .175 (4.4) | .050 (1.3) | .255 (6.5) | Black |
| 423-200  | .200 (5.1) | .075 (1.9) | .255 (6.5) | Black |
| 424-125  | .125 (3.2) | .000       | .280 (7.1) | White |
| 424-150  | .150 (3.8) | .025 (.64) | .280 (7.1) | White |
| 424-175  | .175 (4.4) | .050 (1.3) | .280 (7.1) | White |
| 424-200  | .200 (5.1) | .075 (1.9) | .280 (7.1) | White |



## TO-219

Price Code: J

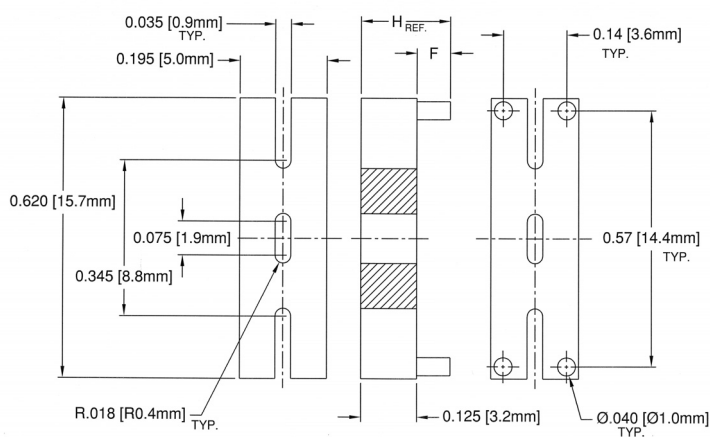
| Part No. | H          | F          | Color |
|----------|------------|------------|-------|
| 422-125  | .125 (3.2) | .000       | Black |
| 422-150  | .150 (3.8) | .025 (.64) | Black |
| 422-175  | .175 (4.4) | .050 (1.3) | Black |
| 422-200  | .200 (5.1) | .075 (1.9) | Black |



## TO-247

Price Code: J

| Part No. | H          | F          | Color |
|----------|------------|------------|-------|
| 426-125  | .125 (3.2) | .000       | Black |
| 426-150  | .150 (3.8) | .025 (.64) | Black |
| 426-175  | .175 (4.4) | .050 (1.3) | Black |
| 426-200  | .200 (5.1) | .075 (1.9) | Black |



# EXTRUDED POWER TRANSISTOR MOUNTS

- Standard lengths from .030" - .750" (.76mm - 19.1mm) in .005" (.13mm) increments
- Made from semi-rigid PVC UL Rated material

## Standard Tolerances:

O.D.  $\pm .005$  (.13)

I.D.  $\pm .005$  (.13)

"H" Dim: .030 - .500 (.76 - 12.7) is  $\pm .005$  (.13)

"H" Dim: .500 - .750 (12.7 - 19.1) is  $\pm .008$  (.20)

## Ordering Information:

EPM XXX

Length Expressed in Thousandths  
(in .005" increments)

(Must be even multiples of .005")

0.030 = 030    0.750 = 750

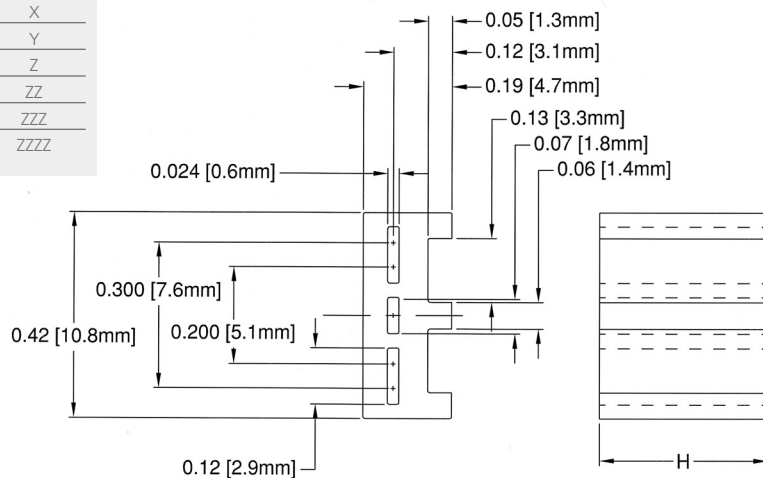
0.100 = 100

Series: EPM

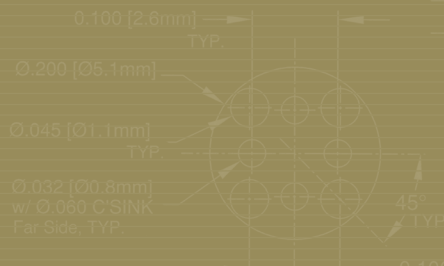
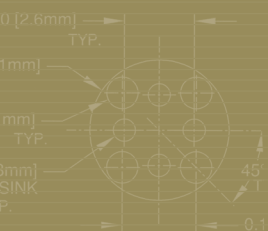
## EPM Series

Color: Natural

| Part No.              | "H" Dimensions        | Price Code |
|-----------------------|-----------------------|------------|
| EPM-030 thru EPMH-075 | .030-.075 (.76-1.9)   | W          |
| EPM-080 thru EPMH-150 | .080-.150 (2.0-3.8)   | X          |
| EPM-155 thru EPMH-230 | .155-.230 (4.0-5.8)   | Y          |
| EPM-235 thru EPMH-310 | .235-.310 (6.0-7.9)   | Z          |
| EPM-315 thru EPMH-380 | .315-.380 (8.0-9.7)   | ZZ         |
| EPM-385 thru EPMH-495 | .385-.495 (9.8-12.6)  | ZZZ        |
| EPM-500 thru EPMH-750 | .500-.750 (12.7-19.1) | ZZZZ       |



# CAPACITOR MOUNTS



## Material Specifications:

Natural or black Nylon, per ASTM D 4066  
PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

## Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

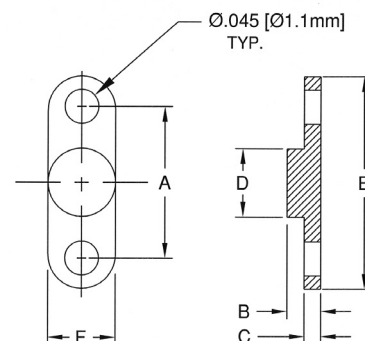
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



## 300 Series

Color: Natural

| Part No.    | A55485/<br>M38527/06 | A           | B          | C          | D          | E           | F          | Price<br>Code |
|-------------|----------------------|-------------|------------|------------|------------|-------------|------------|---------------|
| 300-100-022 | -                    | .100 (2.5)  | N.A.       | .022 (.55) | N.A.       | .180 (4.6)  | .090 (2.3) | A             |
| 300-100-03  | -                    | .100 (2.5)  | .030 (.76) | .011 (.28) | .050 (1.3) | .180 (4.6)  | .090 (2.3) | A             |
| 300-100     | -008N                | .100 (2.5)  | .045 (1.1) | .022 (.55) | .050 (1.3) | .180 (4.6)  | .090 (2.3) | A             |
| 300-100-075 | -                    | .100 (2.5)  | .075 (1.9) | .022 (.55) | .055 (1.4) | .180 (4.6)  | .090 (2.3) | A             |
| 301-150CS   | -                    | .150 (3.8)  | N.A.       | .022 (.55) | N.A.       | .270 (6.9)  | .125 (3.2) | A             |
| 301-150-030 | -                    | .150 (3.8)  | .030 (.76) | .011 (.28) | .090 (2.3) | .270 (6.9)  | .125 (3.2) | A             |
| 301-150-040 | -                    | .150 (3.8)  | .040 (1.0) | .022 (.55) | .090 (2.3) | .270 (6.9)  | .125 (3.2) | A             |
| 301-150     | -009N                | .150 (3.8)  | .045 (1.1) | .022 (.55) | .090 (2.3) | .270 (6.9)  | .125 (3.2) | A             |
| 301-150 MOD | -                    | .150 (3.8)  | .045 (1.1) | .022 (.55) | .090 (2.3) | .240 (6.1)  | .090 (2.3) | A             |
| 302-200-030 | -                    | .200 (5.1)  | .030 (.76) | .011 (.28) | .090 (2.3) | .290 (7.4)  | .090 (2.3) | A             |
| 302-200-040 | -                    | .200 (5.1)  | .040 (1.0) | .022 (.55) | .090 (2.3) | .290 (7.4)  | .090 (2.3) | A             |
| 302-200     | -010N                | .200 (5.1)  | .045 (1.1) | .022 (.55) | .090 (2.3) | .290 (7.4)  | .090 (2.3) | A             |
| 303-250     | -017N                | .250 (6.4)  | .045 (1.1) | .026 (.66) | .090 (2.3) | .340 (8.6)  | .090 (2.3) | A             |
| 304-300     | -018N                | .300 (7.5)  | .045 (1.1) | .026 (.66) | .140 (3.6) | .390 (9.9)  | .090 (2.3) | B             |
| 305-350     | -019N                | .350 (8.9)  | .045 (1.1) | .030 (.76) | .140 (3.6) | .440 (11.2) | .090 (2.3) | B             |
| 306-400     | -020N                | .400 (10.2) | .045 (1.1) | .030 (.76) | .190 (4.8) | .490 (12.4) | .090 (2.3) | B             |
| 307-500     | -021N                | .500 (12.7) | .045 (1.1) | .030 (.76) | .190 (4.8) | .590 (12.4) | .090 (2.3) | B             |



# CAPACITOR MOUNTS



## 311 thru 316 Series

Color: Natural

| Part No. | A55485/06<br>M38527/06 | A           | B           | Price<br>Code |
|----------|------------------------|-------------|-------------|---------------|
| 311-200  | -023N                  | .300 (7.6)  | .200 (5.1)  | A             |
| 312-250  | -024N                  | .350 (8.9)  | .250 (6.4)  | A             |
| 313-300  | -025N                  | .400 (10.2) | .300 (7.6)  | A             |
| 314-350  | -026N                  | .450 (11.4) | .350 (8.9)  | B             |
| 315-400  | -027N                  | .500 (12.7) | .400 (10.2) | B             |
| 316-500  | -028N                  | .600 (15.2) | .500 (12.7) | B             |

## 330 Series Discrete

| Part No. | A55485/06<br>M38527/06 | H          | F          | Price<br>Code |
|----------|------------------------|------------|------------|---------------|
| 330-050  | -047N                  | .050 (1.3) | .000       | A             |
| 330-072  | -046N                  | .072 (1.8) | .022 (.56) | A             |
| 330-085  | -048N                  | .085 (2.2) | .035 (.89) | A             |

## 388 Series

Color: Black

| Part No. | H          | F          | Price<br>Code |
|----------|------------|------------|---------------|
| 388-025  | .025 (.64) | .000       | A             |
| 388-050  | .050 (1.3) | .025 (.64) | A             |
| 388-075  | .075 (1.9) | .050 (1.3) | A             |

### Material Specifications:

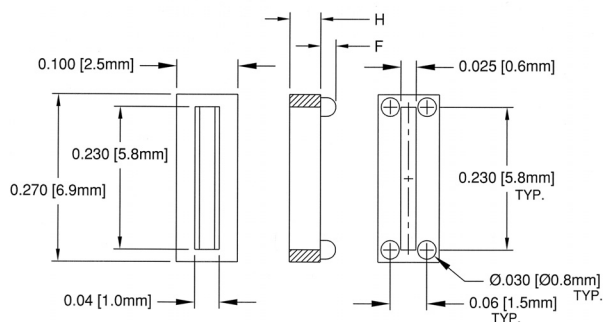
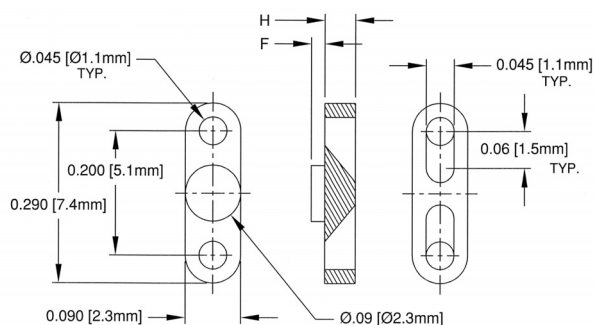
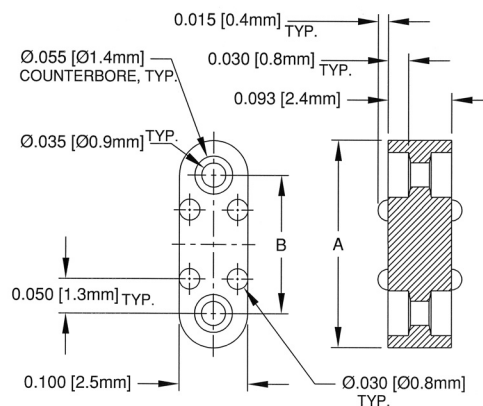
Natural or black Nylon, per ASTM D 4066  
PA111, UL Rated 94V-2

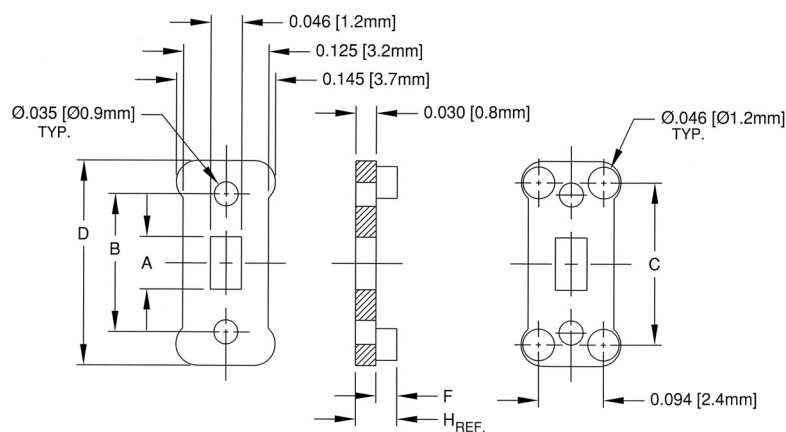
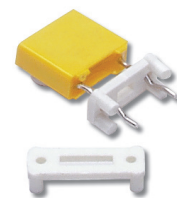
Oxygen Rating Index: Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)





# CAPACITOR MOUNTS

## Single In-Line Mounts



### Material Specifications:

Natural Nylon, per ASTM D4066

PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

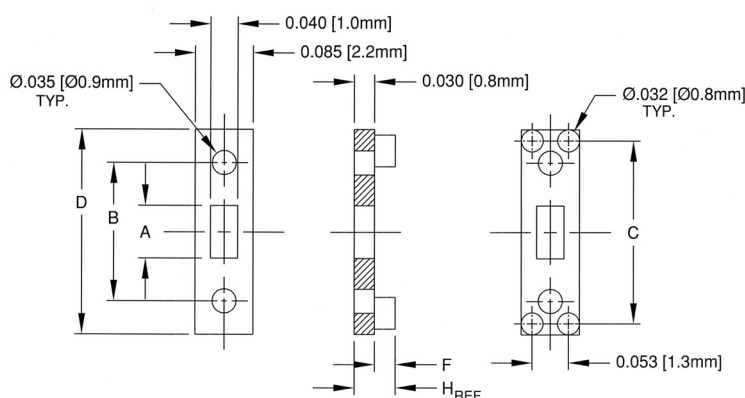
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

### 36X, 37X, 38X Series

| Part No. | A           | B           | C           | D           | F          | H          | Price Code |
|----------|-------------|-------------|-------------|-------------|------------|------------|------------|
| 360-200  |             |             |             |             | .000       | .030 (.76) |            |
| 361-200  | .076 (1.9)  | .200 (5.1)  | .235 (6.0)  | .297 (7.5)  | .030 (.76) | .060 (1.5) | A          |
| 362-200  |             |             |             |             | .060 (1.5) | .090 (2.3) |            |
| 365-300  |             |             |             |             | .000       | .030 (.76) |            |
| 366-300  | .176 (4.5)  | .300 (7.6)  | .335 (8.5)  | .397 (10.1) | .030 (.76) | .060 (1.5) | A          |
| 367-300  |             |             |             |             | .060 (1.5) | .090 (2.3) |            |
| 370-400  |             |             |             |             | .000       | .030 (.76) |            |
| 371-400  | .276 (7.0)  | .400 (10.2) | .435 (11.0) | .497 (12.6) | .030 (.76) | .060 (1.5) | B          |
| 372-400  |             |             |             |             | .060 (1.5) | .090 (2.3) |            |
| 375-500  |             |             |             |             | .000       | .030 (.76) |            |
| 376-500  | .376 (9.6)  | .500 (12.7) | .535 (13.6) | .597 (15.2) | .030 (.76) | .060 (1.5) | B          |
| 377-500  |             |             |             |             | .060 (1.5) | .090 (2.3) |            |
| 380-600  |             |             |             |             | .000       | .030 (.76) |            |
| 381-600  | .476 (12.1) | .600 (15.2) | .635 (16.1) | .697 (17.7) | .030 (.76) | .060 (1.5) | G          |
| 382-600  |             |             |             |             | .060 (1.5) | .090 (2.3) |            |
| 385-700  |             |             |             |             | .000       | .030 (.76) |            |
| 386-700  | .576 (14.6) | .700 (17.8) | .735 (18.7) | .797 (20.2) | .030 (.76) | .060 (1.5) | G          |
| 387-700  |             |             |             |             | .060 (1.5) | .090 (2.3) |            |



# INTEGRATED CIRCUIT MOUNTS

## Dual In-Line Mounts

### Material Specifications:

Natural Nylon, per ASTM D4066

PA111, UL Rated 94V-2

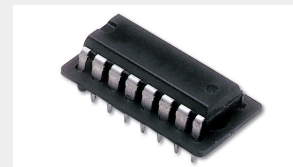
**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

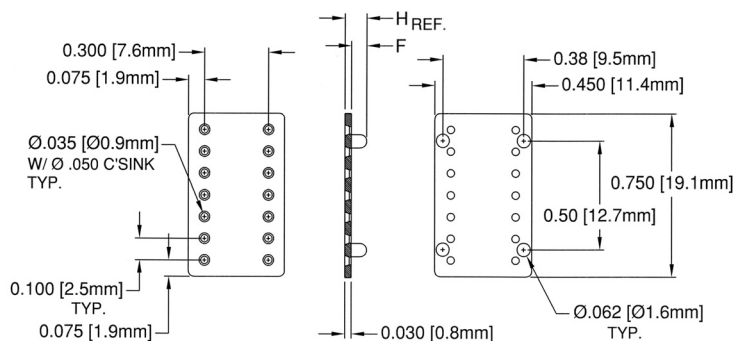
Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



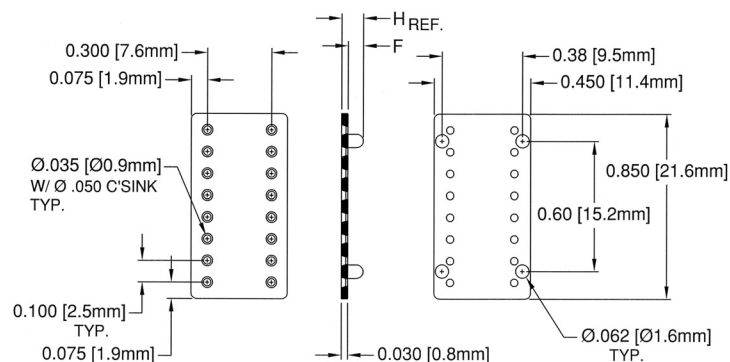
### 814 Series

| Part No. | F          | H          | A55485/06<br>M38527/06 | Price<br>Code | Color   |
|----------|------------|------------|------------------------|---------------|---------|
| 814-030  | .000       | .030 (.76) | -004N                  | C             | Natural |
| 814-045  | .015 (.38) | .045 (1.1) | -                      | C             | Black   |
| 814-060  | .030 (.76) | .060 (1.5) | -005N                  | C             | Natural |
| 814-080  | .050 (1.3) | .080 (2.0) | -006N                  | C             | Natural |
| 814-100  | .070 (1.8) | .100 (2.5) | -                      | C             | Black   |



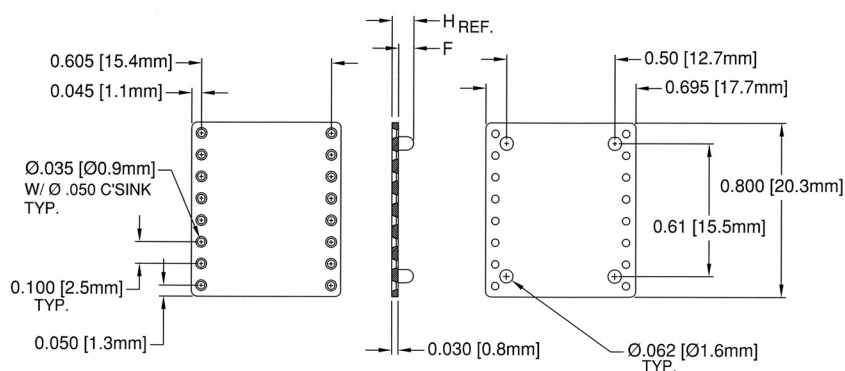
### 816 Series

| Part No. | F          | H          | A55485/06<br>M38527/06 | Price<br>Code | Color   |
|----------|------------|------------|------------------------|---------------|---------|
| 816-030  | .000       | .030 (.76) | -                      | C             | Black   |
| 816-045  | .015 (.38) | .045 (1.1) | -                      | C             | Black   |
| 816-060  | .030 (.76) | .060 (1.5) | -007N                  | C             | Natural |
| 816-080  | .050 (1.3) | .080 (2.0) | -                      | C             | Black   |
| 816-100  | .070 (1.8) | .100 (2.5) | -                      | C             | Black   |



### 818 Series

| Part No. | F          | H          | A55485/06<br>M38527/06 | Price<br>Code | Color |
|----------|------------|------------|------------------------|---------------|-------|
| 818-030  | .000       | .030 (.76) | -                      | C             | Black |
| 818-045  | .015 (.38) | .045 (1.1) | -                      | C             | Black |
| 818-060  | .030 (.76) | .060 (1.5) | -                      | C             | Black |
| 818-080  | .050 (1.3) | .080 (2.0) | -                      | C             | Black |
| 818-100  | .070 (1.8) | .100 (2.5) | -                      | C             | Black |



# CAPACITOR MOUNTS

ECM: Electrolytic Capacitor Mounts

ECI: Electrolytic Capacitor Insulators

## ECM: Electrolytic Capacitor Mounts

Color: Natural

- Works with 5mm through 35mm industry standard electrolytic capacitors
- Insulates and protects leads
- Prevents shorting under shock and vibration

### Material Specifications:

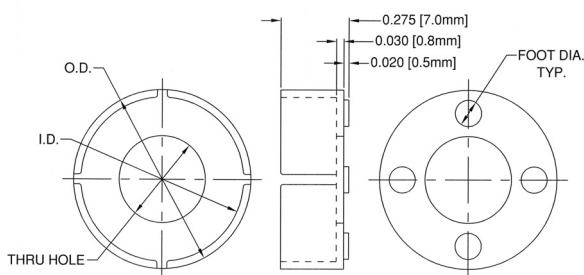
Nylon, per ASTM D4066 PA111,  
UL Rated 94V-2

Oxygen Rating Index: Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



| Part No. | EC Type | I.D.         | O.D.         | Thru Hole   | Foot Dia.  | Price Code |
|----------|---------|--------------|--------------|-------------|------------|------------|
| ECM-1    | 5       | .227 (5.8)   | .287 (7.3)   | .125 (3.2)  | .060 (1.5) | A          |
| ECM-2    | 6-6.3   | .273 (6.9)   | .333 (8.5)   | .150 (3.8)  | .070 (1.8) | B          |
| ECM-3    | 8       | .345 (8.8)   | .405 (10.3)  | .225 (5.7)  | .070 (1.8) | F          |
| ECM-4    | 10      | .424 (10.8)  | .484 (12.3)  | .250 (6.4)  | .100 (2.5) | F          |
| ECM-5    | 12.5-13 | .542 (13.8)  | .602 (15.3)  | .350 (8.9)  | .105 (2.7) | G          |
| ECM-6    | 16      | .660 (16.8)  | .720 (18.3)  | .350 (8.9)  | .106 (2.7) | G          |
| ECM-7    | 18      | .738 (18.7)  | .798 (20.3)  | .350 (8.9)  | .106 (2.7) | H          |
| ECM-8    | 20      | .817 (20.8)  | .877 (22.3)  | .441 (11.2) | .118 (3.0) | H          |
| ECM-9    | 22      | .896 (22.8)  | .956 (24.3)  | .449 (11.4) | .118 (3.0) | I          |
| ECM-10   | 25      | 1.008 (25.6) | 1.074 (27.3) | .547 (13.9) | .138 (3.5) | I          |
| ECM-11   | 25.5    | 1.030 (26.2) | 1.090 (27.7) | .547 (13.9) | .138 (3.5) | J          |
| ECM-12   | 30      | 1.210 (30.5) | 1.270 (32.3) | .645 (16.4) | .138 (3.5) | K          |
| ECM-13   | 35      | 1.410 (35.8) | 1.470 (37.3) | .645 (16.4) | .138 (3.5) | C          |

## ECI: Electrolytic Capacitor Insulators

Color: Clear

- Self-retaining
- Insulates and allows circuitry beneath capacitor
- Transparent, tough and temperature resistant

### Material Specifications:

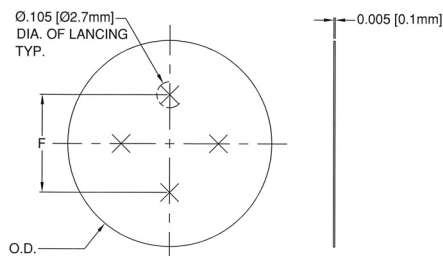
Dupont, Mylar EL-21 with  
UL Rated 94V-2

Oxygen Rating Index: Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



| Part No. | Case Style | O.D.<br>±.005 | F           | Use With   |
|----------|------------|---------------|-------------|------------|
| ECI-1    | I          | .710 (18.0)   | .394 (10.0) | 30         |
| ECI-2    | II         | .830 (21.0)   | .394 (10.0) | 22, 25, 35 |

## TO-18 and T-1<sup>3</sup>/<sub>4</sub> (5mm) LED Mounts

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

## Standard Drawing Tolerances:

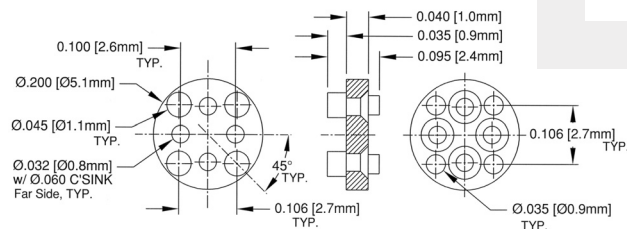
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4)    .XX =  $\pm 0.01$  (0.25)

$$.X = \pm 0.10 \text{ (2.5)} \quad .XXX = \pm 0.005 \text{ (0.13)}$$

## 100-095

Price Code: A

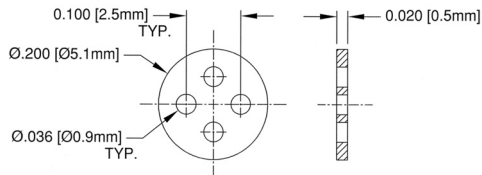


## 104-020

A55485 / 01-040N

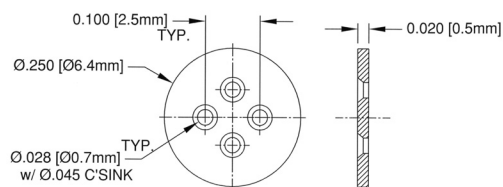
Price Code: A

M38527 / 01-040N



## 105-021

Price Code: A

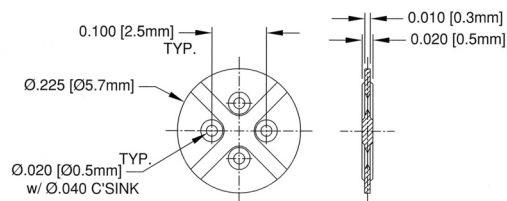


## 108-021

A55485 / 01-039N

Price Code: A

M38527 / 01-039N

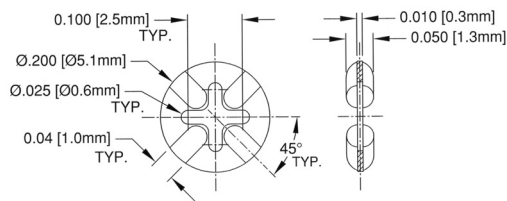


109-045

A55485 / 01-031N

Price Code: A

M38527 / 01-031N

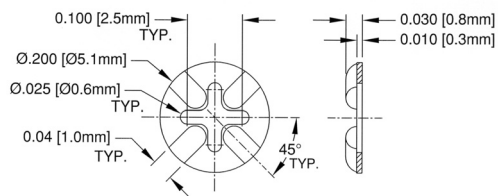


## 110-030

A55485 / 01-037N

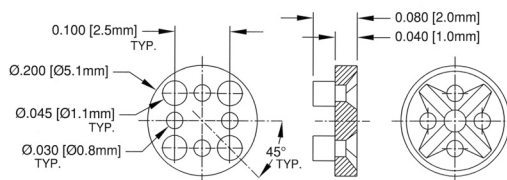
Price Code: A

M38527 / 01-037N



## 111-080

Price Code: A



# PERM-O-PADS®

## TO-18 and T-1<sup>3</sup>/<sub>4</sub> (5mm) LED Mounts

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

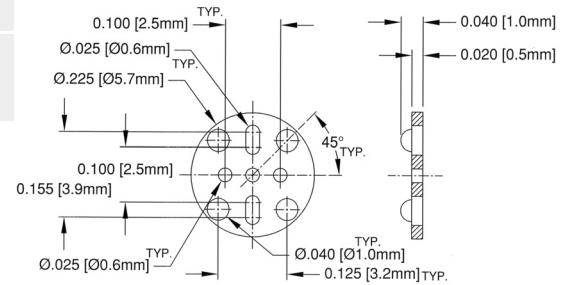
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

### 112-040

Price Code: A

A55485 / 07-002N

M38527 / 07-002N

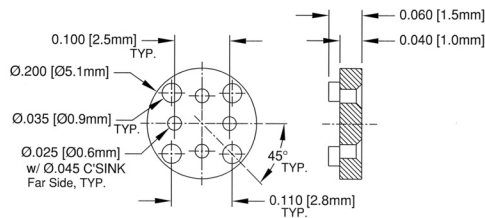


### 116-060

Price Code: A

A55485 / 01-035N

M38527 / 01-035N

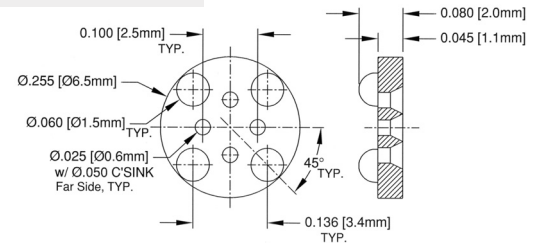


### 117-080

Price Code: A

A55485 / 01-034N

M38527 / 01-034N

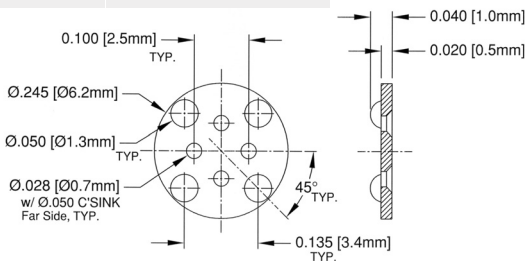


### 118-055

Price Code: A

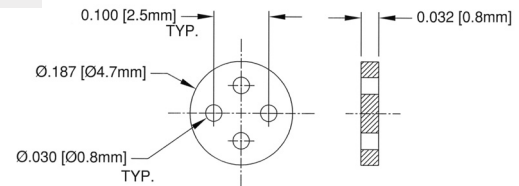
A55485 / 01-036N

M38527 / 01-036N



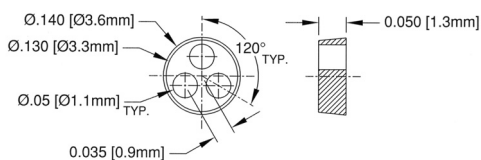
### 121-032

Price Code: A



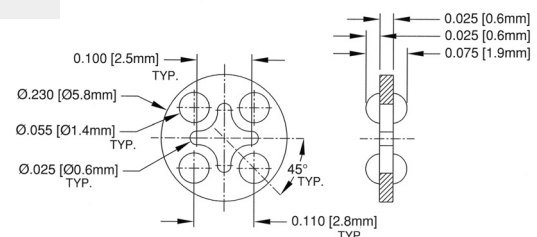
### 123-050

Price Code: A



### 125-080

Price Code: A



## TO-18 and T-1<sup>3</sup>/32 (5mm) LED Mounts and TO-18 Spreaders

### Material Specifications:

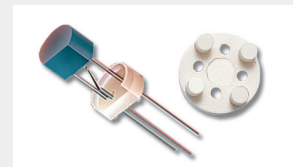
White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4)    .XX =  $\pm 0.01$  (0.25)

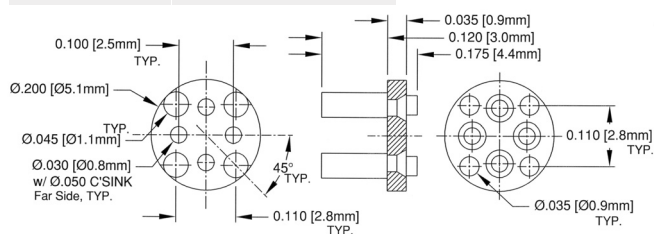
$$.X = \pm 0.10 \text{ (2.5)} \quad .XXX = \pm 0.005 \text{ (0.13)}$$


## 107-180

A55485 / 01-043N

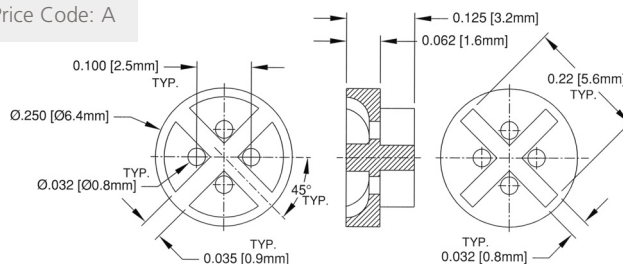
Price Code: A

M38527 / 01-043N



## 113-125

Price Code: A

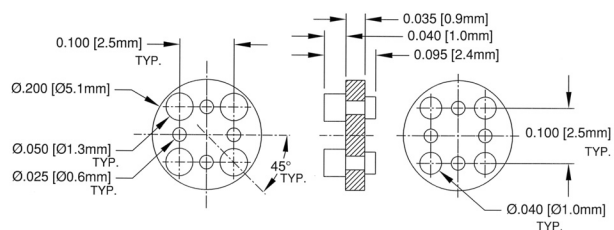


## 115-100

A55485 / 01-030N

Price Code: A

M38527 / 01-030N

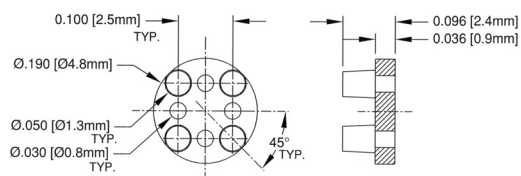


## 119-096

A55485 / 01-033N

Price Code: A

M38527 / 01-033N

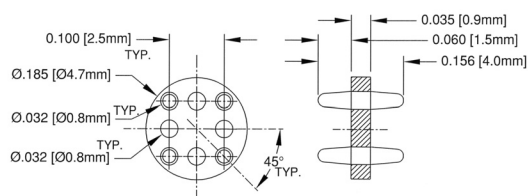


120-156

A55485 / 01-044N

Price Code: A

M38527 / 01-044N

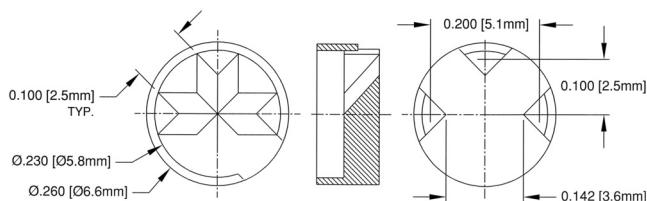


## 200-115

A55485 / 03-013N

Price Code: A

M38527 / 03-013N



# PERM-O-PADS®

## TO-18 and T<sup>13</sup>/<sub>32</sub> (5mm) LED Mounts and TO-18 Spreaders

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

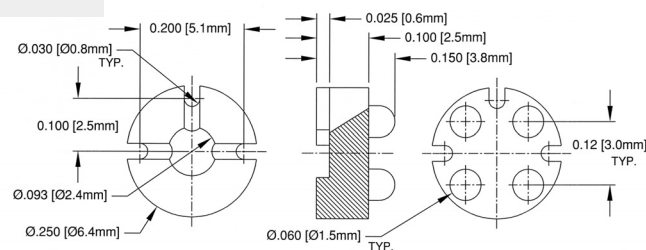
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

### 202-150

Price Code: A

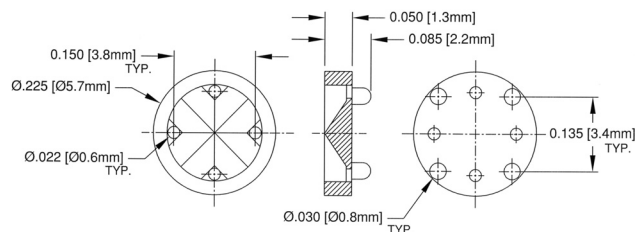


### 205-085

Price Code: A

A55485 / 03-002N

M38527 / 03-002N

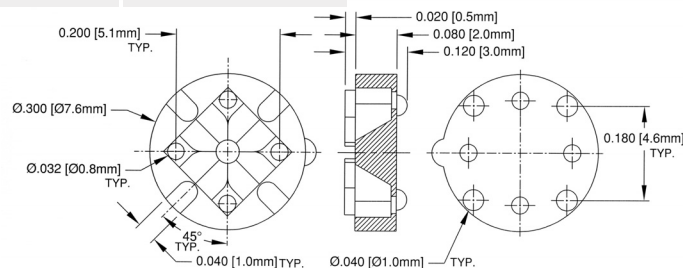


### 209-125

Price Code: A

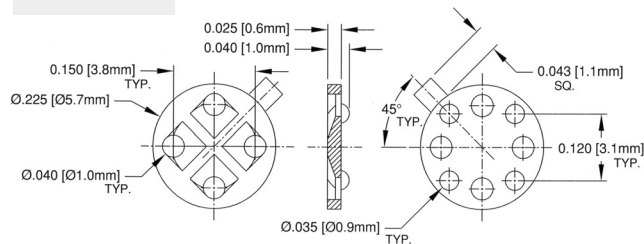
A55485 / 03-010N

M38527 / 03-010N



### 211-040

Price Code: A

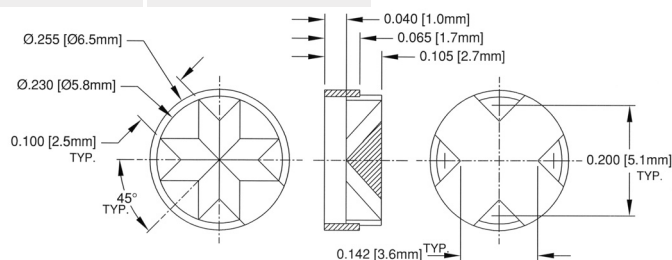


### 213-100

Price Code: A

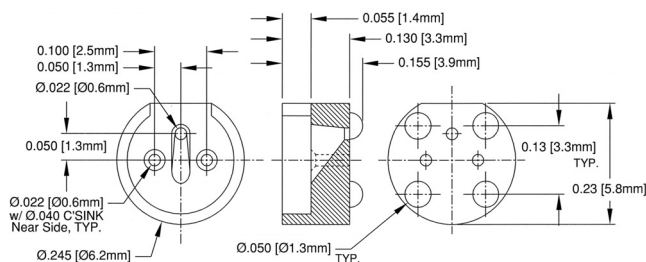
A55485 / 03-004N

M38527 / 03-004N



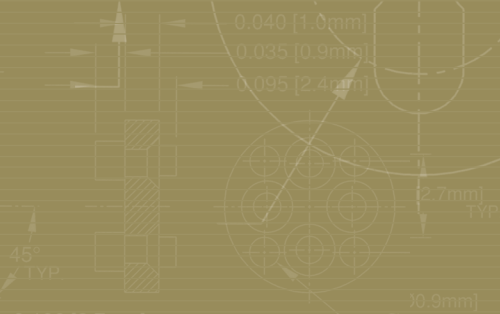
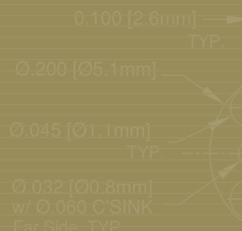
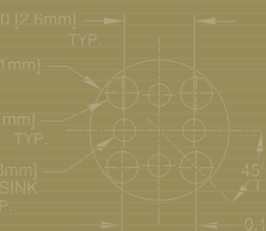
### 215-130

Price Code: A



# PERM-O-PADS®

## TO-5 Mounts



### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

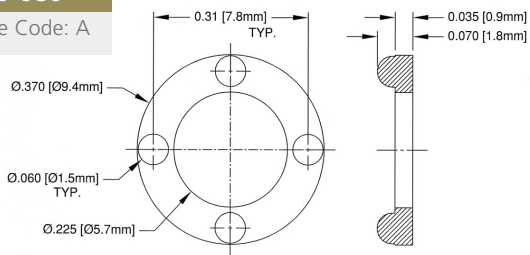
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

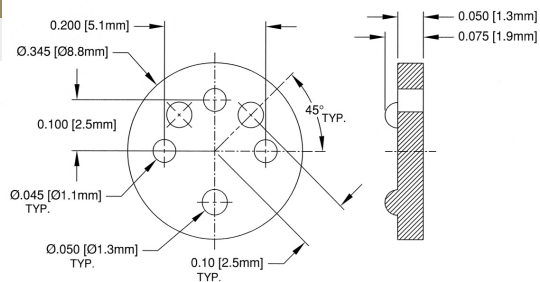
### 500-080

Price Code: A



### 501-075

Price Code: A

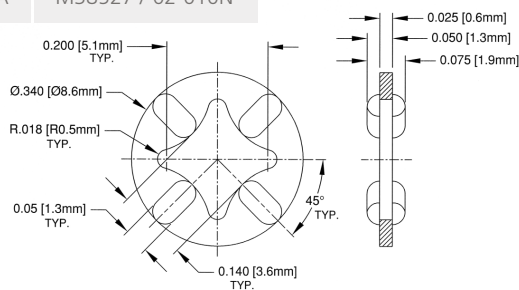


### 503-075

Price Code: A

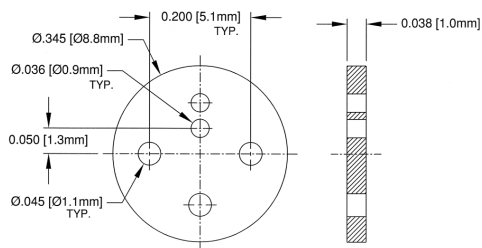
A55485 / 02-010N

M38527 / 02-010N



### 506-038

Price Code: A

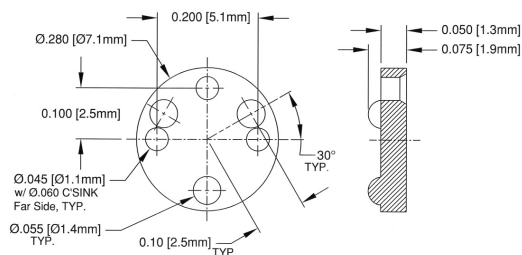


### 508-075

Price Code: A

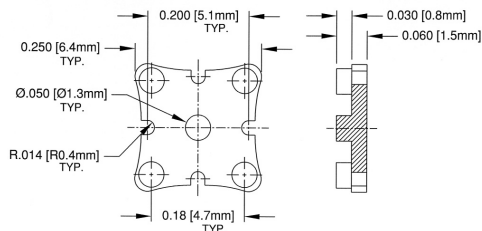
A55485 / 02-047N

M38527 / 02-047N



### 509-060

Price Code: A

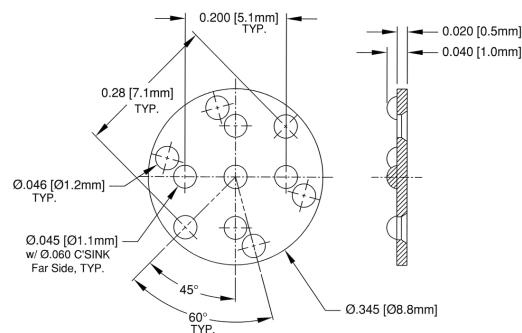


### 511-038

Price Code: A

A55485 / 02-020N

M38527 / 02-020N



# PERM-O-PADS®

## TO-5 Mounts

### Material Specifications:

White or Natural Nylon, per ASTM  
D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

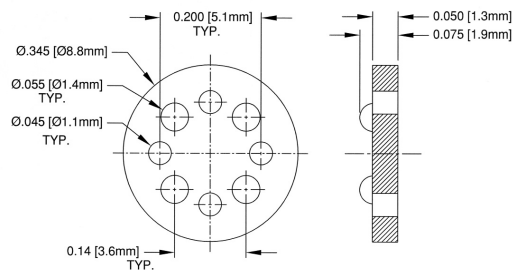
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

**513-075**

Price Code: A

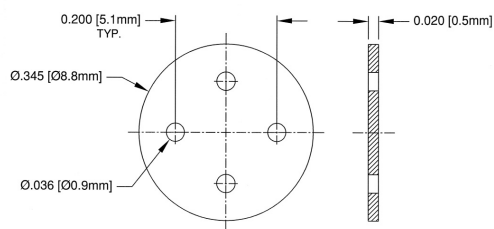


**515-020**

Price Code: A

A55485 / 02-018N

M38527 / 02-018N

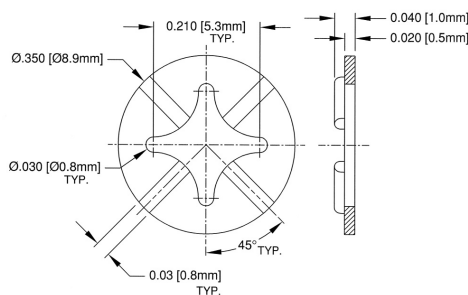


**516-038**

Price Code: A

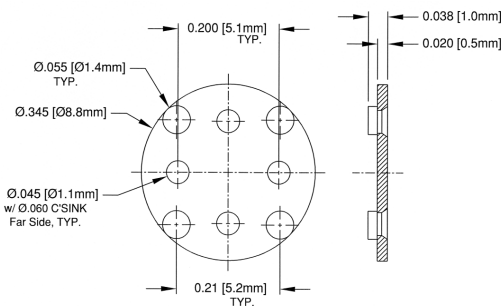
A55485 / 02-013N

M38527 / 02-013N



**518-038**

Price Code: A

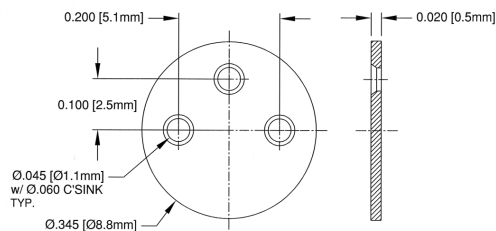


**520-021**

Price Code: A

A55485 / 02-019N

M38527 / 02-019N

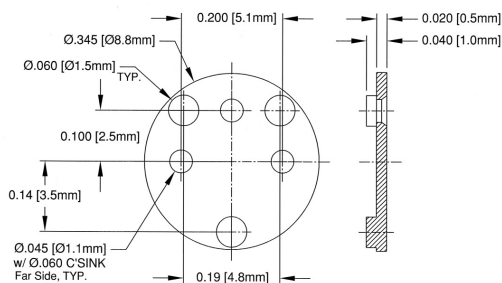


**525-038**

Price Code: A

A55485 / 02-014N

M38527 / 02-014N

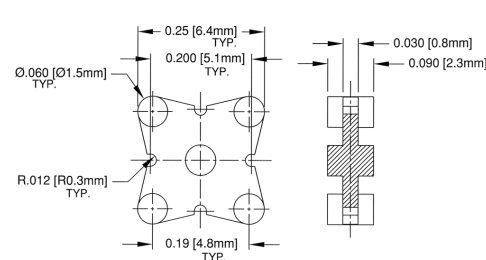


**526-090**

Price Code: A

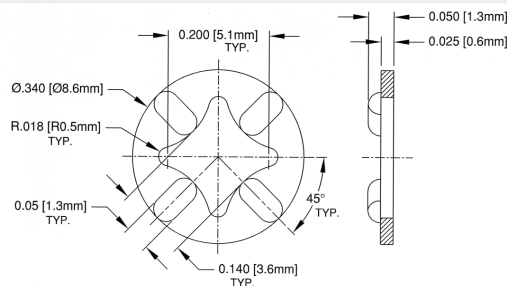
A55485 / 02-038N

M38527 / 02-038N



**532-050**

Price Code: A



# PERM-O-PADS®

## TO-5 and Integrated Circuit Mounts

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111,  
UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

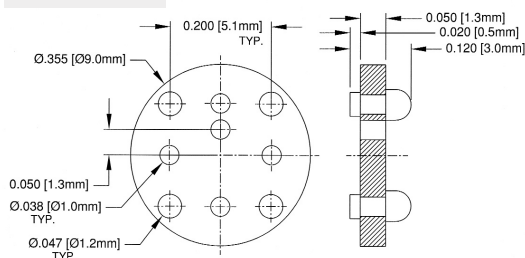
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

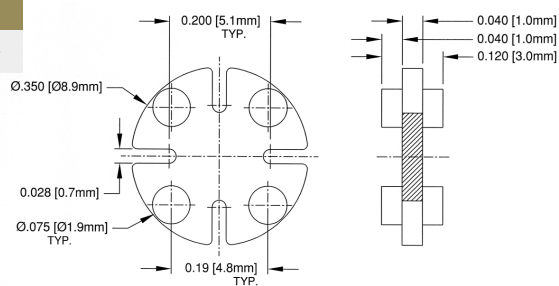
### 502-120

Price Code: A



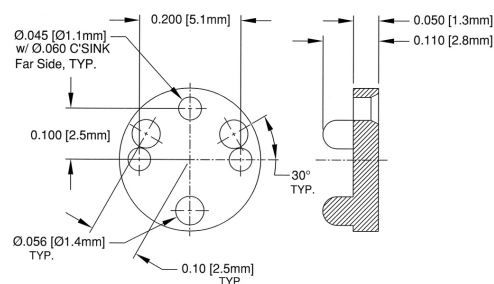
### 505-120

Price Code: A



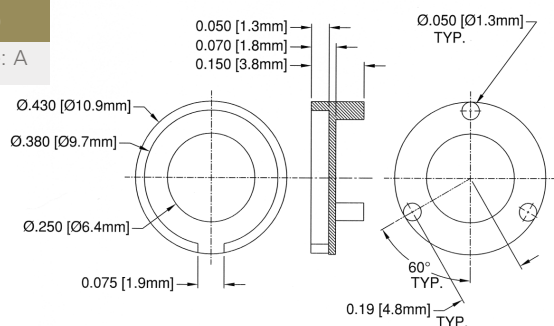
### 510-110

Price Code: A



### 512-150

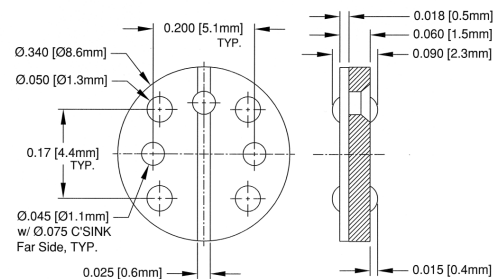
Price Code: A



### 517-095

Price Code: A

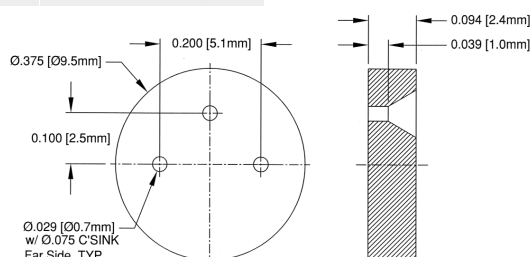
A55485 / 02-025N  
M38527 / 02-025N



### 521-094

Price Code: A

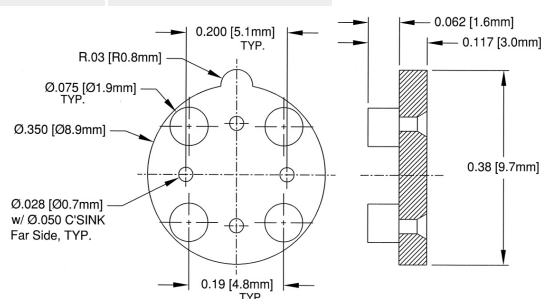
A55485 / 01-041N  
M38527 / 01-041N



### 528-117

Price Code: A

A55485 / 02-022N  
M38527 / 02-022N



# PERM-O-PADS®

## TO-5 and Integrated Circuit Mounts

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111,  
UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

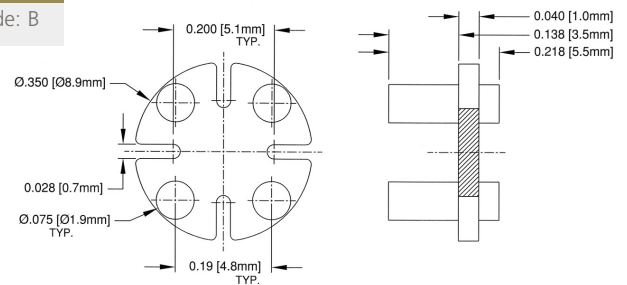
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

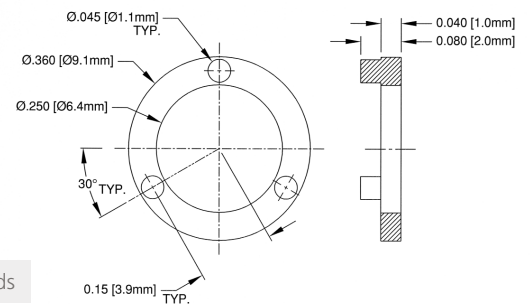
### 531-218

Price Code: B



### 600-080

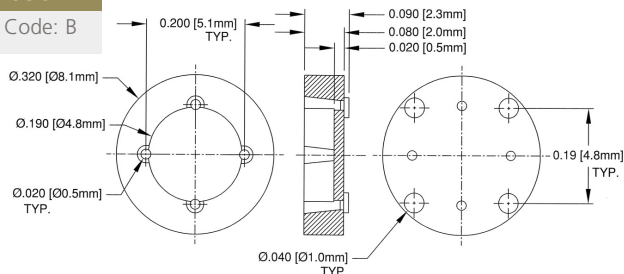
Price Code: A



6, 8, 10 or 12 Leads

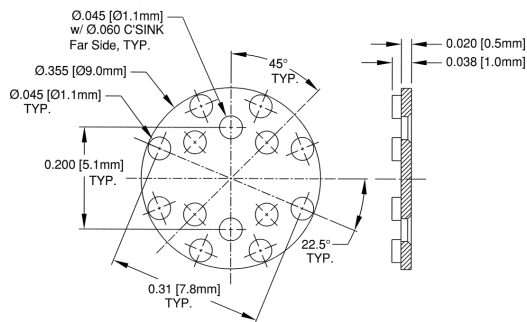
### 535-090

Price Code: B



### 602-038

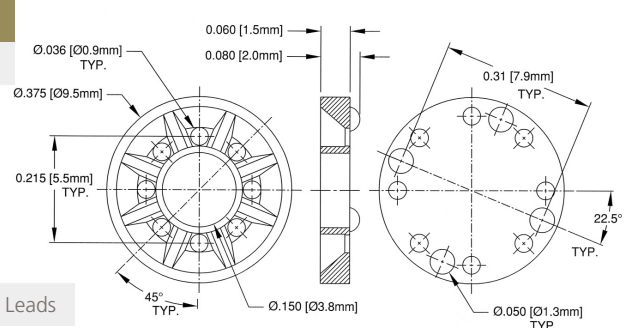
Price Code: B



6 Leads

### 605-085

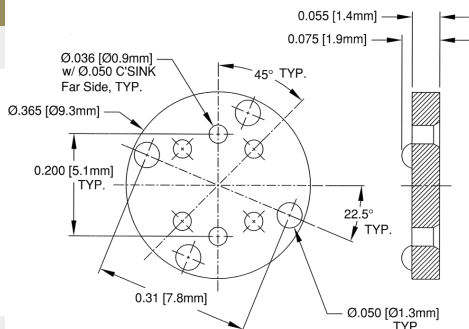
Price Code: B



Color: Blue, 8 Leads

### 609-075

Price Code: B



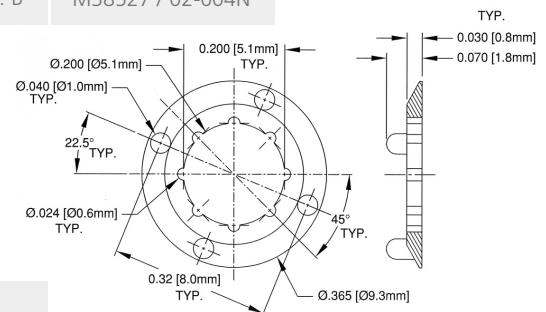
6 Leads

### 616-070

Price Code: B

A55485 / 02-004N

M38527 / 02-004N

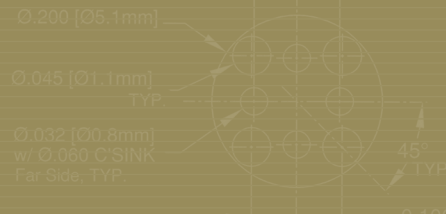
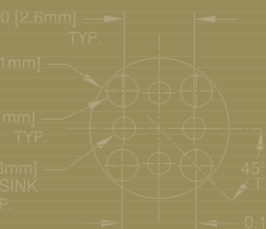


8 Leads

# PERM-O-PADS®

## TO-18 and T-1<sup>3</sup>/<sub>32</sub> (5mm) LED Mounts

## Universal TO-5, to TO-18 and T-1<sup>3</sup>/<sub>4</sub> (5mm) LED Mounts



### Material Specifications:

Nylon, per ASTM D4066 PA111, UL Rated 94V-2

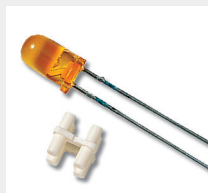
Oxygen Rating Index: Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

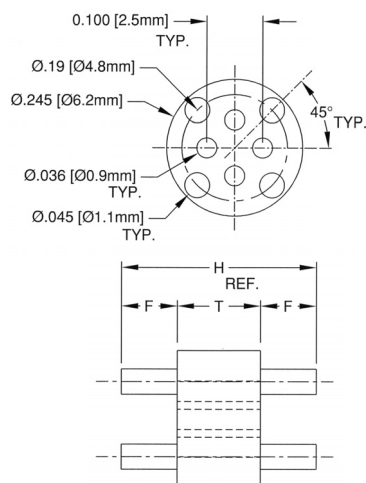
Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



### 102 Series

Color: White, Price Code: A



### TO-18 and T-1<sup>3</sup>/<sub>4</sub> (5mm) LED Mounts

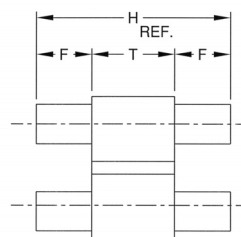
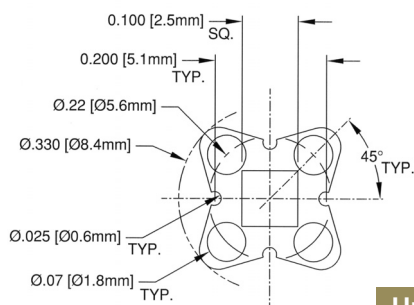
| Part No. | H          | T          | F          |
|----------|------------|------------|------------|
| 102-050  | .050 (.13) | .030 (.76) | .010 (.25) |
| 102-060  | .060 (.15) | .030 (.76) | .015 (.38) |
| 102-070  | .070 (.18) | .030 (.76) | .020 (.51) |
| 102-080  | .080 (.20) | .030 (.76) | .025 (.64) |
| 102-090  | .090 (.23) | .030 (.76) | .030 (.76) |
| 102-100  | .100 (.25) | .030 (.76) | .035 (.89) |
| 102-110  | .110 (.28) | .030 (.76) | .040 (1.0) |
| 102-120  | .120 (3.0) | .030 (.76) | .045 (1.1) |

| Part No. | H          | T          | F          |
|----------|------------|------------|------------|
| 102-130  | .130 (3.3) | .030 (.76) | .050 (1.3) |
| 102-140  | .140 (3.6) | .030 (.76) | .055 (1.4) |
| 102-150  | .150 (3.8) | .030 (.76) | .060 (1.5) |
| 102-160  | .160 (4.1) | .030 (.76) | .065 (1.7) |
| 102-170  | .170 (4.3) | .030 (.76) | .070 (1.8) |
| 102-180  | .180 (4.6) | .030 (.76) | .075 (1.9) |
| 102-190  | .190 (4.8) | .030 (.76) | .080 (2.0) |
| 102-200  | .200 (5.1) | .030 (.76) | .085 (2.2) |



### 126 Series

Color: White, Price Code: A



### Universal TO-5 to TO-18 and T-1<sup>3</sup>/<sub>4</sub> (5mm) LED Mounts

| Part No. | H          | T          | F          |
|----------|------------|------------|------------|
| 126-030  | .030 (.76) | .030 (.76) | .000       |
| 126-040  | .040 (1.0) | .030 (.76) | .005 (.13) |
| 126-050  | .050 (1.3) | .030 (.76) | .010 (.25) |
| 126-060  | .060 (1.5) | .030 (.76) | .015 (.38) |
| 126-070  | .070 (1.8) | .030 (.76) | .020 (.51) |
| 126-080  | .080 (2.0) | .030 (.76) | .025 (.64) |
| 126-090  | .090 (2.3) | .030 (.76) | .030 (.76) |
| 126-100  | .100 (2.5) | .030 (.76) | .035 (.89) |
| 126-110  | .110 (2.8) | .030 (.76) | .040 (1.0) |
| 126-120  | .120 (3.0) | .030 (.76) | .045 (1.1) |
| 126-130  | .130 (3.3) | .030 (.76) | .050 (1.3) |

| Part No. | H          | T          | F          |
|----------|------------|------------|------------|
| 126-140  | .140 (3.5) | .030 (.76) | .055 (1.4) |
| 126-150  | .150 (3.8) | .030 (.76) | .060 (1.5) |
| 126-160  | .160 (4.1) | .030 (.76) | .065 (1.7) |
| 126-170  | .170 (4.3) | .030 (.76) | .070 (1.8) |
| 126-180  | .180 (4.6) | .030 (.76) | .075 (1.9) |
| 126-190  | .190 (4.8) | .030 (.76) | .080 (2.0) |
| 126-200  | .200 (5.1) | .030 (.76) | .085 (2.2) |
| 126-210  | .210 (5.3) | .030 (.76) | .090 (2.3) |
| 126-220  | .220 (5.6) | .030 (.76) | .095 (2.4) |
| 126-230  | .230 (5.8) | .030 (.76) | .100 (2.5) |
| 126-240  | .240 (6.1) | .030 (.76) | .105 (2.7) |

# PERM-O-PADS®

## TO-5 Mounts



### 514 Series

Color: White, Price Code: A

### Material Specifications:

Nylon, per ASTM D4066 PA111, UL Rated 94V-2

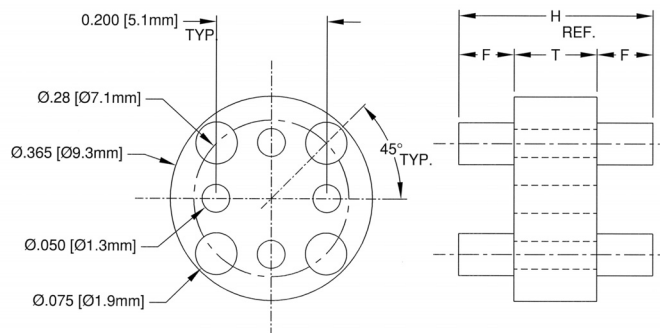
**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



### TO-5 Mounts

| Part No. | H          | T          | F          |
|----------|------------|------------|------------|
| 514-050  | .050 (1.3) | .030 (.76) | .010 (.25) |
| 514-060  | .060 (1.5) | .030 (.76) | .015 (.38) |
| 514-070  | .070 (1.8) | .030 (.76) | .020 (.51) |
| 514-080  | .080 (2.0) | .030 (.76) | .025 (.64) |
| 514-090  | .090 (2.3) | .030 (.76) | .030 (.76) |
| 514-100  | .100 (2.5) | .030 (.76) | .035 (.89) |
| 514-110  | .110 (2.8) | .030 (.76) | .040 (1.0) |
| 514-120  | .120 (3.0) | .030 (.76) | .045 (1.1) |
| 514-130  | .130 (3.3) | .030 (.76) | .050 (1.3) |
| 514-140  | .140 (3.6) | .030 (.76) | .055 (1.4) |

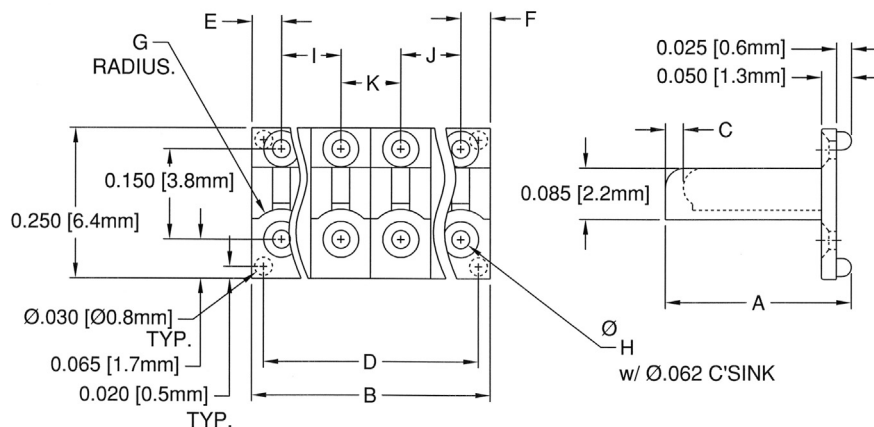
| Part No. | H          | T          | F          |
|----------|------------|------------|------------|
| 514-150  | .150 (3.8) | .030 (.76) | .060 (1.5) |
| 514-160  | .160 (4.1) | .030 (.76) | .065 (1.7) |
| 514-170  | .170 (4.3) | .030 (.76) | .070 (1.8) |
| 514-180  | .180 (4.6) | .030 (.76) | .075 (1.9) |
| 514-190  | .190 (4.8) | .030 (.76) | .080 (2.0) |
| 514-200  | .200 (5.1) | .030 (.76) | .085 (2.2) |
| 514-210  | .210 (5.3) | .030 (.76) | .090 (2.3) |
| 514-220  | .220 (5.6) | .030 (.76) | .095 (2.4) |
| 514-230  | .230 (5.8) | .030 (.76) | .100 (2.5) |
| 514-240  | .240 (6.1) | .030 (.76) | .105 (2.7) |

## Vertical Mounts for Diodes and Resistors

Temperature resistant black thermoplastic (PBT) body per MIL-P-46161, Grade B, Class 30, UL Rated 94V-0

$$.X = \pm 0.10 \text{ (2.5)} \quad .XXX = \pm 0.005 \text{ (0.13)}$$

| Part No. | A           | B           | C          | D           | E          | F          | G          | H          | I          | J          | K          | Price Code |
|----------|-------------|-------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 3121-004 | .312 (7.9)  | .100 (2.5)  | .030 (0.8) | .060 (1.5)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | N/A        | N/A        | N/A        | B          |
| 3122-010 | .312 (7.9)  | .200 (5.1)  | .030 (0.8) | .160 (4.1)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | .100 (2.5) | N/A        | N/A        | G          |
| 3123-016 | .312 (7.9)  | .300 (7.6)  | .030 (0.8) | .260 (6.6)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | .100 (2.5) | .100 (2.5) | N/A        | I          |
| 3124-022 | .312 (7.9)  | .400 (10.2) | .030 (0.8) | .360 (9.1)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | .100 (2.5) | .100 (2.5) | .100 (2.5) | J          |
| 4371-005 | .437 (11.1) | .100 (2.5)  | .030 (0.8) | .060 (1.5)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | N/A        | N/A        | N/A        | F          |
| 4372-011 | .437 (11.1) | .200 (5.1)  | .030 (0.8) | .160 (4.1)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | .100 (2.5) | N/A        | N/A        | H          |
| 4373-017 | .437 (11.1) | .300 (7.6)  | .030 (0.8) | .260 (6.6)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | .100 (2.5) | .100 (2.5) | N/A        | I          |
| 4374-023 | .437 (11.1) | .400 (10.2) | .030 (0.8) | .360 (9.1)  | .050 (1.3) | .050 (1.3) | .055 (1.4) | .030 (0.8) | .100 (2.5) | .100 (2.5) | .100 (2.5) | J          |
| 5621-006 | .562 (14.3) | .150 (3.8)  | .040 (1.0) | .110 (2.8)  | .075 (1.9) | .075 (1.9) | .080 (2.0) | .040 (1.0) | N/A        | N/A        | N/A        | G          |
| 5622-012 | .562 (14.3) | .300 (7.6)  | .040 (1.0) | .260 (6.6)  | .075 (1.9) | .075 (1.9) | .080 (2.0) | .040 (1.0) | .150 (3.8) | N/A        | N/A        | I          |
| 5623-018 | .562 (14.3) | .450 (11.4) | .040 (1.0) | .410 (10.4) | .075 (1.9) | .075 (1.9) | .080 (2.0) | .040 (1.0) | .150 (3.8) | .150 (3.8) | N/A        | J          |
| 5624-024 | .562 (14.3) | .600 (15.2) | .040 (1.0) | .560 (14.2) | .075 (1.9) | .075 (1.9) | .080 (2.0) | .040 (1.0) | .150 (3.8) | .150 (3.8) | .150 (3.8) | K          |



# CRYSTAL MOUNTS

## Molded Mounts

- Elevates Crystal Oscillators from PCB
- Improves Cooling Efficiency
- Allows for Proper Inspection of Solder Joints
- Allows for Traces to be Run Under Component



### Material Specifications:

UL Rated 94V-2 White Nylon per ASTM D4066 PA111

### Oxygen Rating Index: Over 28%

UL File #E135532

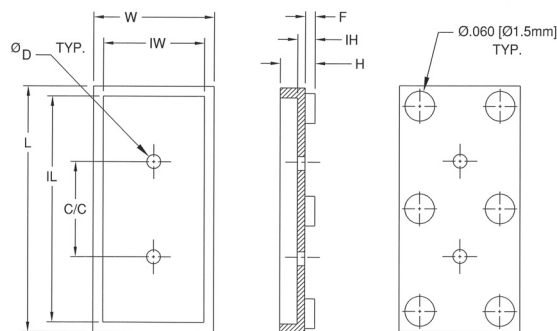
### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

| Part No. | L           | IL          | W          | IW         | C/C        | D          | IH         | F          | H          | Style | Price Code |
|----------|-------------|-------------|------------|------------|------------|------------|------------|------------|------------|-------|------------|
| 470-015  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .028 (.71) | .015 (.38) | .000       | .050 (1.3) | I     | H          |
| 470-025  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .028 (.71) | .025 (.64) | .010 (.25) | .060 (1.5) | I     | H          |
| 470-035  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .028 (.71) | .035 (.89) | .020 (.51) | .070 (1.8) | I     | H          |
| 470-045  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .028 (.71) | .045 (1.1) | .030 (.76) | .080 (2.0) | I     | H          |
| 471-015  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .050 (1.3) | .015 (.38) | .000       | .050 (1.3) | II    | H          |
| 471-025  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .050 (1.3) | .025 (.64) | .010 (.25) | .060 (1.5) | II    | H          |
| 471-035  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .050 (1.3) | .035 (.89) | .020 (.51) | .070 (1.8) | II    | H          |
| 471-045  | .495 (12.6) | .455 (11.6) | .245 (6.2) | .205 (5.2) | .192 (4.9) | .050 (1.3) | .045 (1.1) | .030 (.76) | .080 (2.0) | II    | H          |



# CRYSTAL INSULATORS

## Mylar Mounts

- Only 0.005" Thick does not increase component height
- Insulates component from PCB
- Allows for trace to be run under components

### Material Specifications:

UL Rated 94VTM-2 Mylar Film Dupont EL-21 Clear

### Oxygen Rating Index: Over 28%

UL File #E93687

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.40) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

Note: SR Stands for Self Retaining



| Part No.         | C          | C/C        | L           | D          | W          | Case Style | Price Code | Use with                   |
|------------------|------------|------------|-------------|------------|------------|------------|------------|----------------------------|
| CI-148-028       | -          | .148 (3.8) | .325 (8.3)  | .028 (.71) | .145 (3.7) | VI         | X          | HC-80/U                    |
| CI-148-028 SR*   | -          | .148 (3.8) | .325 (8.3)  | *          | .145 (3.7) | VI         | X          | HC-80/U                    |
| CI-148-028-3     | .074 (1.9) | .148 (3.8) | .325 (8.3)  | .028 (.71) | .145 (3.7) | VI         | X          | HC-80/U                    |
| CI-148-028-3 SR* | .074 (1.9) | .148 (3.8) | .325 (8.3)  | *          | .145 (3.7) | VI         | X          | HC-80/U                    |
| CI-192-028       | -          | .192 (4.9) | .465 (11.8) | .028 (.71) | .219 (5.6) | I          | X          | HC-18/U, HC-43/U & HC-49/U |
| CI-192-028 SR*   | -          | .192 (4.9) | .465 (11.8) | *          | .219 (5.6) | I          | X          | HC-18/U, HC-43/U & HC-49/U |
| CI-192-028-3     | .096 (2.4) | .192 (4.9) | .465 (11.8) | .028 (.71) | .219 (5.6) | I          | X          | HC-18/U, HC-43/U & HC-49/U |
| CI-192-028-3 SR* | .096 (2.4) | .192 (4.9) | .465 (11.8) | *          | .219 (5.6) | I          | X          | HC-18/U, HC-43/U & HC-49/U |
| CI-192-050       | -          | .192 (4.9) | .465 (11.8) | .050 (1.3) | .219 (5.6) | II         | X          | HC-25/U, HC-42/U & HC-50/U |
| CI-192-050-3     | .096 (2.4) | .192 (4.9) | .465 (11.8) | .050 (1.3) | .219 (5.6) | II         | X          | HC-25/U, HC-42/U & HC-50/U |

