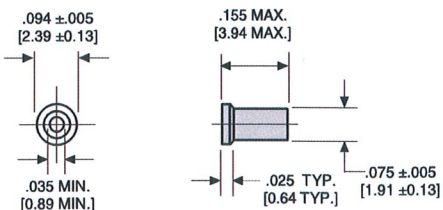


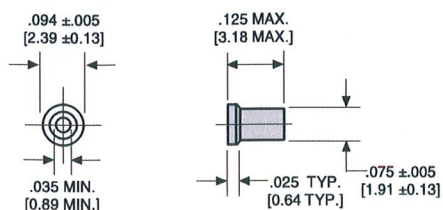
The products listed in this catalog are only a few of the thousands of variations that TUSONIX produces. For custom component design, please contact the factory direct.

TUSONIX

Solder Mount Feed-Thru Capacitors

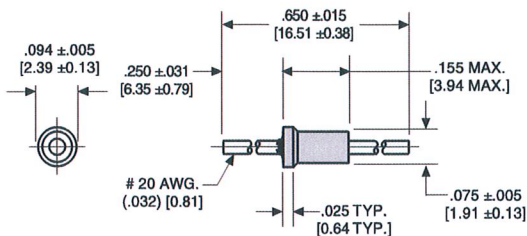


STYLE 1

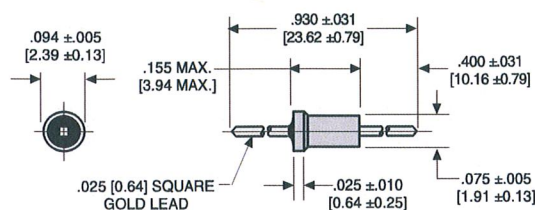


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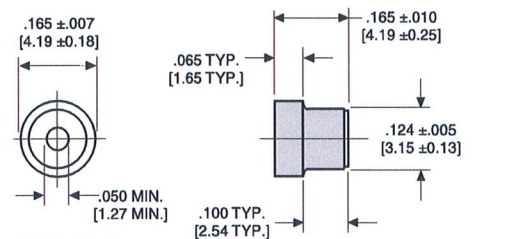
inches
[mm]



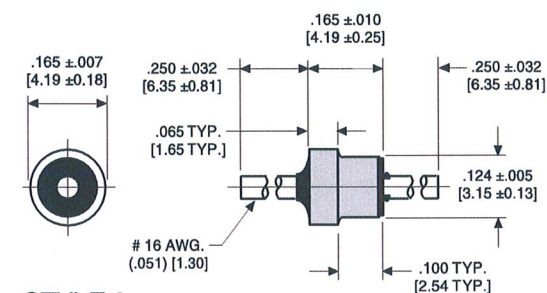
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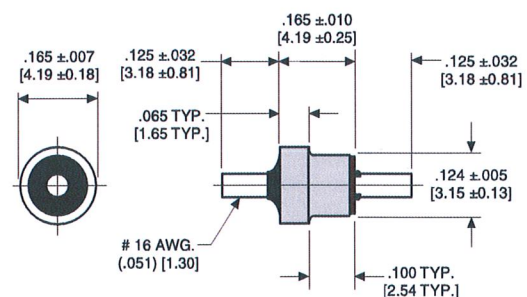
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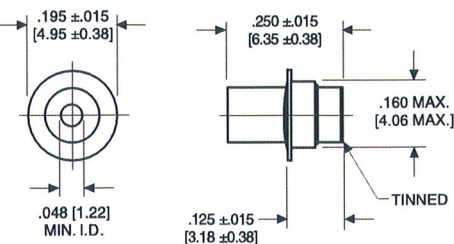
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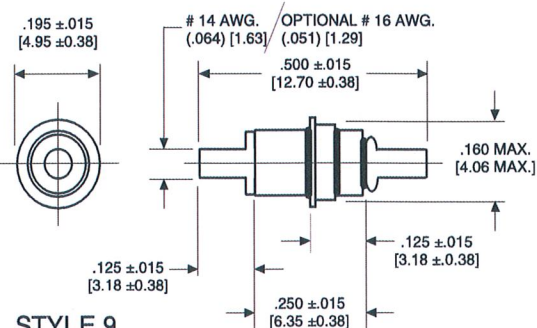
STYLE 6



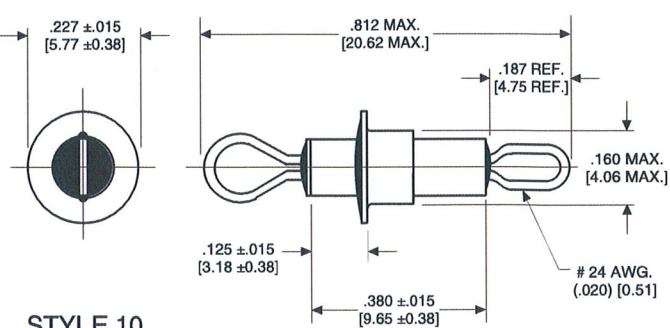
STYLE 7



STYLE 8



STYLE 9



STYLE 10

Technical drawing of a 1/2-13 UNF-2A x 3.00 inch Hex Flange Nut. The drawing includes a front view and a side view.

Front View Dimensions:

- Flange Outer Diameter: $.227 \pm 0.10$ [5.77 ± 0.25]
- Central Hole Diameter: $.048 \text{ MIN.}$ [1.22 MIN.]
- Flange Thickness: $.125 \pm 0.15$ [3.18 ± 0.38]

Side View Dimensions:

- Total Length: $.380 \pm 0.15$ [9.65 ± 0.38]
- Hex Body Length: $.160 \text{ MAX.}$ [4.06 MAX.]
- Hex Body Outer Diameter: $.125 \pm 0.15$ [3.18 ± 0.38]

Other Features:

- The hex body is labeled "TINNED".
- A scale bar at the bottom right indicates inches and millimeters.

Technical drawing of a probe tip assembly, showing front and side views with dimensions and material callouts.

Front View Dimensions:

- Overall diameter: $.290 \pm .010$ [7.37 ± 0.25]
- Inner diameter: $.200$ [5.08] MIN.

Side View Dimensions:

- Top diameter: $.280 \pm .015$ [7.11 ± 0.38]
- Tip diameter: $.185$ [4.70] MAX.
- Tip length: $.032 \pm .005$ [0.81 ± 0.13] SILVER PLATED
- Shoulder diameter: $.050 \pm .010$ [1.27 ± 0.25] EPOXY
- Shoulder length: $.075$ [1.91] MAX.
- Base diameter: $.280 \pm .031$ [7.11 ± 0.79]
- Base length: $.220$ [5.59] MAX.
- Inner diameter of base: $.160$ [4.06] MIN.
- Inner diameter of tip: $.278 \pm .031$ [7.06 ± 0.79]

Material Callouts:

- SILVER PLATED
- EPOXY
- PTFE INSULATION

Series Number	Temperature Range	WVDC	MAX. CAP. Nominal (pF)
2404	Z5, Y5, X5	500	7000
	X7	250	7000
2482	Z5, Y5, X5	300	4000
	X7	150	4000
2450	Z5, Y5, X5	500	1800
	X7	250	1800
2461	Z5, Y5, X5	200	1000
	X7	100	1000
2463	Z5, Y5, X5	200	2000
	X7	100	2000
2470	Z5, Y5, X5	250AC	2000
	--	--	--

Technical drawing of a probe tip assembly. The drawing includes a top view (left) and a side view (right). Dimensions are provided in inches and millimeters.

Top View Dimensions:

- Overall diameter: $.290 \pm .010$ [7.37 $\pm$ 0.25]
- Inner hole diameter: $.200$ [5.08] MIN.
- Inner hole depth: $.032 \pm .005$ [0.81 $\pm$ 0.13]
- Material: SILVER PLATED

Side View Dimensions and Callouts:

- Overall length: $.540 \pm .031$ [13.72 $\pm$ 0.79]
- Tip diameter: $.200$ [5.08] MAX
- Tip length: $.050 \pm .010$ [1.27 $\pm$ 0.25]
- Tip material: EPOXY
- Tip thickness: $.130$ [3.30] MIN
- Tip diameter (base): $.220$ [5.59] MAX.
- Tip material (base): PTFE INSULATION
- Tip diameter (base): $.280 \pm .031$ [7.11 $\pm$ 0.79]
- Tip material (base): EPOXY
- Tip diameter (base): $.075$ [1.91] MAX.

STYLE 15

●UL Recognized to UL standard 1283; UL File No. E201344

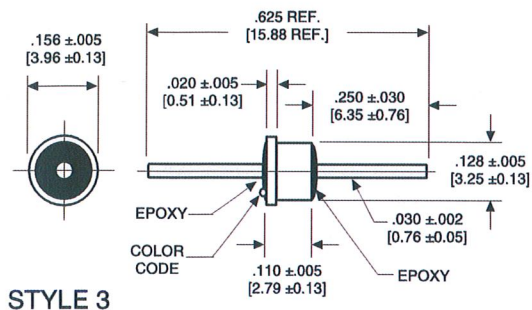
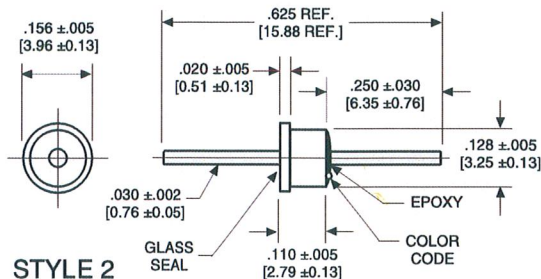
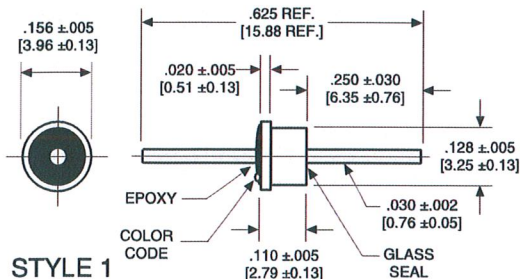
4

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TUSONIX

Solder Mount C Filters

4300 Series Miniature EMI Filter MICROWAVE APPLICATIONS:



- Oscillators
- Attenuators
- Low Noise Amplifiers
- Microwave Filters

inches
[mm]

TUSONIX Part Number	Style	Circuit	Working Voltage (dc)		Capacitance (pF)	Capacitance Tolerance	Current (A)	Minimum No-Load Insertion Loss (dB) at 25°C per MIL-Std-220					Color Code
			85°C	125°C				1MHz	10MHz	100MHz	1GHz	10GHz	
			Epoxy Sealed Top (flange)/ Glass Sealed Bottom										
4300-005	1	C	70	50	10,000	GMV	5	4	21	35	50	60	BLACK
4300-055	1	C	70	50	10,000	±20%	5	4	21	35	50	60	BLK-GOLD
4300-006	1	C	70	50	15,000	GMV	5	7	20	35	55	60	ORANGE
4300-013	1	C	70	50	27,000	GMV	5	10	28	42	65	65	RED-RED
4300-014	1	C	50	50	50,000	GMV	5	15	35	45	70	--	BLU-BLU
4300-003	1	C	150	100	2700	GMV	5	--	10	25	40	50	RED
4300-053	1	C	150	100	2700	±20%	5	--	10	25	40	50	RED-GOLD
4300-004	1	C	150	100	5000	GMV	5	--	15	30	45	55	YELLOW
4300-054	1	C	150	100	5000	±20%	5	--	15	30	45	55	YEL-GOLD
4300-680	1	C	300	200	5	MAX	5	--	--	--	--	--	BLK-BLK
4300-008	1	C	300	200	10	GMV	5	--	--	--	5	20	VIOLET
4300-009	1	C	300	200	25	GMV	5	--	--	--	10	25	BLUE
4300-000	1	C	300	200	100	GMV	5	--	--	3	20	28	GREEN
4300-050	1	C	300	200	100	±20%	5	--	--	3	20	28	GRN-GOLD
4300-001	1	C	300	200	500	GMV	5	--	--	15	35	40	BROWN
4300-051	1	C	300	200	500	±20%	5	--	--	15	35	40	BRWN-GOLD
4300-007	1	C	300	200	1000	GMV	5	--	5	20	35	45	GRAY
4300-002	1	C	300	200	1200	GMV	5	--	5	20	35	45	WHITE
4300-052	1	C	300	200	1200	±20%	5	--	5	20	35	45	WHT-GOLD

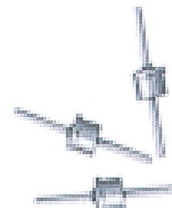
Drawings not to scale.

Solder Mount C Filters

TUSONIX 4300 Series Miniature EMI Filters

These filters are ideal for applications where small size and high performance are critical. These C configured filters can be glass sealed on either one of the ends for optimal sealing between system compartments or components.

The gold plating on the leads offers excellent conductivity and connective ability using common gold bonding methods. The small package and large range of electrical characteristics of the 4300 Series make it an effective solution for a variety of microwave applications.



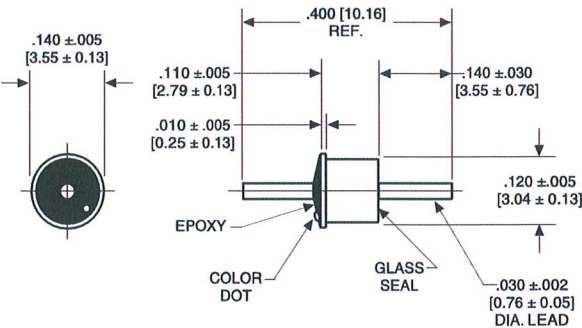
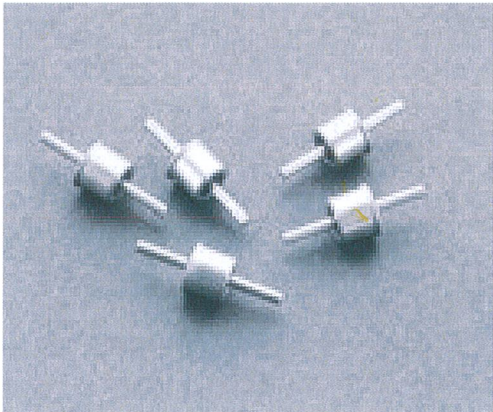
TUSONIX Part Number	Style	Circuit	Working Voltage (dc)		Capacitance (pF)	Capacitance Tolerance	Current (A)	Minimum No-Load Insertion Loss (dB) at 25°C per MIL-Std-220					Color Code
			85°C	125°C				1MHz	10MHz	100MHz	1GHz	10GHz	
			Glass Sealed Top (flange)/ Epoxy Sealed Bottom										
4300-025	2	C	70	50	10,000	GMV	5	4	21	35	50	60	BLACK
4300-065	2	C	70	50	10,000	±20%	5	4	21	35	50	60	BLK-GOLD
4300-026	2	C	70	50	15,000	GMV	5	7	20	35	55	60	ORANGE
4300-031	2	C	70	50	27,000	GMV	5	10	28	42	65	65	RED-RED
4300-034	2	C	50	50	50,000	GMV	5	15	35	45	70	--	BLU-BLU
4300-023	2	C	150	100	2700	GMV	5	--	10	25	40	50	RED
4300-063	2	C	150	100	2700	±20%	5	--	10	25	40	50	RED-GOLD
4300-024	2	C	150	100	5000	GMV	5	--	15	30	45	55	YELLOW
4300-064	2	C	150	100	5000	±20%	5	--	15	30	45	55	YEL-GOLD
4300-681	2	C	300	200	5	MAX	5	--	--	--	--	--	BLK-BLK
4300-028	2	C	300	200	10	GMV	5	--	--	--	5	20	VIOLET
4300-029	2	C	300	200	25	GMV	5	--	--	--	10	25	BLUE
4300-020	2	C	300	200	100	GMV	5	--	--	3	20	28	GREEN
4300-060	2	C	300	200	100	±20%	5	--	--	3	20	28	GRN-GOLD
4300-021	2	C	300	200	500	GMV	5	--	--	15	35	40	BROWN
4300-061	2	C	300	200	500	±20%	5	--	--	15	35	40	BRWN-GOLD
4300-027	2	C	300	200	1000	GMV	5	--	5	20	35	45	GRAY
4300-022	2	C	300	200	1200	GMV	5	--	5	20	35	45	WHITE
4300-062	2	C	300	200	1200	±20%	5	--	5	20	35	45	WHT-GOLD
Epoxy Sealed Top (flange)/ Epoxy Sealed Bottom													
4302-005	3	C	70	50	10,000	GMV	10	4	21	35	50	60	BLACK
4302-006	3	C	70	50	15,000	GMV	10	7	20	35	55	60	ORANGE
4302-013	3	C	70	50	27,000	GMV	10	10	28	42	65	65	RED-RED
4302-014	3	C	50	50	50,000	GMV	10	15	35	45	70	--	BLU-BLU
4302-003	3	C	150	100	2700	GMV	10	--	10	25	40	50	RED
4302-004	3	C	150	100	5000	GMV	10	--	15	30	45	55	YELLOW
4302-680	3	C	300	200	5	MAX	10	--	--	--	--	--	BLK-BLK
4302-008	3	C	300	200	10	GMV	10	--	--	--	5	20	VIOLET
4302-009	3	C	300	200	25	GMV	10	--	--	--	10	25	BLUE
4302-000	3	C	300	200	100	GMV	10	--	--	3	20	28	GREEN
4302-001	3	C	300	200	500	GMV	10	--	--	15	35	40	BROWN
4302-007	3	C	300	200	1000	GMV	10	--	5	20	35	45	GRAY
4302-002	3	C	300	200	1200	GMV	10	--	5	20	35	45	WHITE

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TUSONIX

Solder Mount C Filters

4305 Series - Extra Mini EMI Filters



TUSONIX Part Number	Circuit	Working Voltage (dc)		Capacitance (pF)	Capacitance Tolerance	Current (A)	Minimum No-Load Insertion Loss (dB) at 25°C per MIL-Std-220					Color Code
		85 °C	125 °C				1MHz	10MHz	100MHz	1GHz	10GHz	
		Epoxy Sealed Top (flange)/ Glass Sealed Bottom										
4305-000	C	300	200	50	+100-0%	5	--	--	--	10	25	BRWN-BROWN
4305-001	C	300	200	100	+100-0%	5	--	--	3	20	28	GREEN
4305-002	C	300	200	500	+100-0%	5	--	--	15	35	40	BROWN
4305-003	C	150	100	2700	+100-0%	5	--	10	25	40	50	RED
4305-004	C	150	100	5000	+100-0%	5	--	15	30	45	55	YELLOW
4305-005	C	300	200	10	+100-0%	5	--	--	--	5	20	VIOLET
4305-006	C	300	200	25	+100-0%	5	--	--	--	10	25	BLUE
4305-007	C	300	200	250	+100-0%	5	--	--	5	22	30	YEL-YELLOW
4305-008	C	300	200	1000	+100-0%	5	--	5	20	35	45	GRAY
4305-009	C	300	200	1500	+100-0%	5	--	5	22	35	45	GREEN-GREEN
4305-010	C	50	50	10,000	+100-0%	5	4	21	35	50	60	BLACK
4305-011	C	70	50	27,000	+100-0%	5	10	28	42	65	65	RED-RED
4305-012	C	300	200	5	+100-0%	5	--	--	--	--	5	BLUE-BLUE
4305-680	C	300	200	5	MAX	5	--	--	--	--	--	BLACK-BLACK