

## Zero Crossing Triac Couplers

### Single Channel, 6 Pin DIP

| Part Number | Features                                                                                                                                    | Input Trigger Current<br>VTM = 3V<br>Max (mA) | Isolation Test Voltage<br>V (Peak) | Continuous Forward Current<br>Max (mA) | Peak Blocking Voltage<br>Min (V) | Peak Off-State Reverse Current<br>V <sub>DRM</sub> = Rated<br>Max (nA) | Zero Crossing Inhibit Voltage<br>I <sub>FT</sub> =Rated<br>Max(V) | Schematic No. | Package No. |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|----------------------------------------|----------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------|---------------|-------------|
| MOC3030     | Optically Coupled pair with infrared LED and Silicon Detector.<br>Performing the function of a Zero Voltage Crossing Bilateral Triac Driver | 30                                            | 7500                               | 60                                     | 250                              | 300                                                                    | 30                                                                | 1             | 1           |
| MOC3031     |                                                                                                                                             | 15                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3032     |                                                                                                                                             | 10                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3033     |                                                                                                                                             | 5                                             |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3040     |                                                                                                                                             | 30                                            |                                    |                                        | 400                              |                                                                        | 35                                                                |               |             |
| MOC3041     |                                                                                                                                             | 15                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3042     |                                                                                                                                             | 10                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3043     |                                                                                                                                             | 5                                             |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3060     |                                                                                                                                             | 30                                            |                                    |                                        | 600                              |                                                                        |                                                                   |               |             |
| MOC3061     |                                                                                                                                             | 15                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3062     |                                                                                                                                             | 10                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| MOC3063     |                                                                                                                                             | 5                                             |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| IS620       |                                                                                                                                             | 30                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| IS621       |                                                                                                                                             | 15                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| IS622       |                                                                                                                                             | 10                                            |                                    |                                        |                                  |                                                                        |                                                                   |               |             |
| IS623       |                                                                                                                                             | 7                                             |                                    |                                        |                                  |                                                                        |                                                                   |               |             |

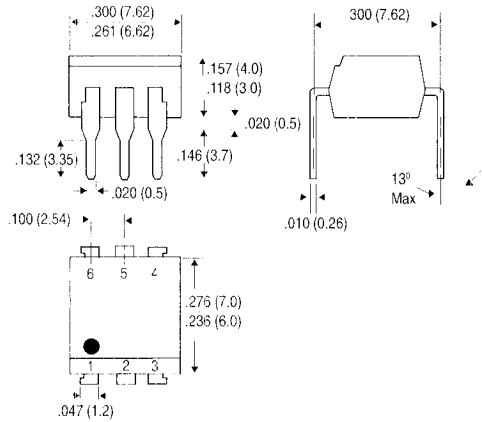
## Photo SCR

### Single Channel Dip, Photo SCR

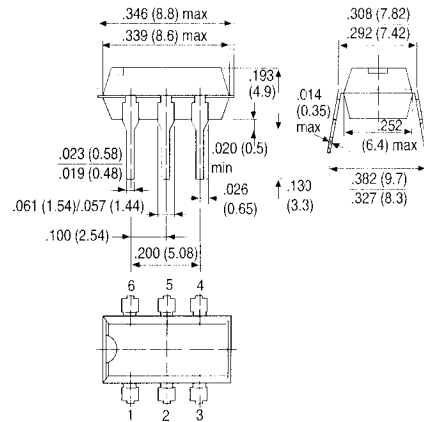
| Part Number | Features                                                                                          | Input Trigger Current<br>V <sub>AK</sub> = 100V<br>R <sub>GK</sub> = 27KΩ<br>Max (mA) | Isolation Breakdown Voltage<br>V (RMS) | Continuous Forward Current<br>Max (mA) | VBR LED<br>I <sub>R</sub> = 10μA<br>Min (V) | Peak Off-State Reverse Voltage<br>R <sub>GK</sub> = 10KΩ<br>Ta = 100°C<br>Min (V) | On-State Voltage<br>I <sub>TM</sub> = 0.3A<br>Max (V) | Schematic No. | Package No. |
|-------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------|---------------|-------------|
| H11C1       | Optically Coupled pair with infrared LED Emitter and Light Activated Silicon Controlled Rectifier | 11                                                                                    | 5000                                   | 60                                     | 3.0                                         | 200                                                                               | 1.3                                                   | 33            | 1           |
| H11C2       |                                                                                                   |                                                                                       |                                        |                                        |                                             |                                                                                   |                                                       |               |             |
| H11C3       |                                                                                                   | 14                                                                                    |                                        |                                        |                                             |                                                                                   |                                                       |               |             |
| H11C4       |                                                                                                   | 11                                                                                    |                                        |                                        |                                             | 400                                                                               |                                                       |               |             |
| H11C5       |                                                                                                   | 14                                                                                    |                                        |                                        |                                             |                                                                                   |                                                       |               |             |
| H11C6       |                                                                                                   |                                                                                       |                                        |                                        |                                             |                                                                                   |                                                       |               |             |
| CNY30       |                                                                                                   | 11                                                                                    |                                        |                                        |                                             | 200                                                                               |                                                       |               |             |
| CNY34       |                                                                                                   |                                                                                       |                                        |                                        |                                             | 400                                                                               | 1.3 (I <sub>TM</sub> = 100mA)                         |               |             |
| MCS2400     |                                                                                                   | 14                                                                                    |                                        |                                        |                                             |                                                                                   |                                                       |               |             |
| 4N39        |                                                                                                   | 14                                                                                    |                                        |                                        |                                             | 200                                                                               | 1.3                                                   |               |             |
| 4N40        |                                                                                                   |                                                                                       |                                        |                                        |                                             | 400                                                                               |                                                       |               |             |
| IS605       |                                                                                                   | 11                                                                                    |                                        |                                        |                                             | 1.3 (I <sub>TM</sub> = 100mA)                                                     |                                                       |               |             |
| IS606       |                                                                                                   | 14                                                                                    |                                        |                                        |                                             |                                                                                   |                                                       |               |             |

# Coupler Package Drawings

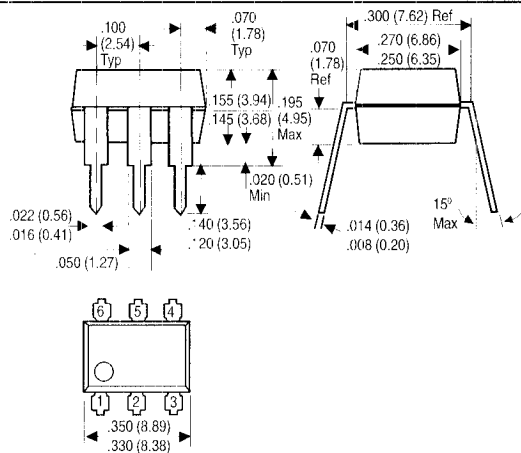
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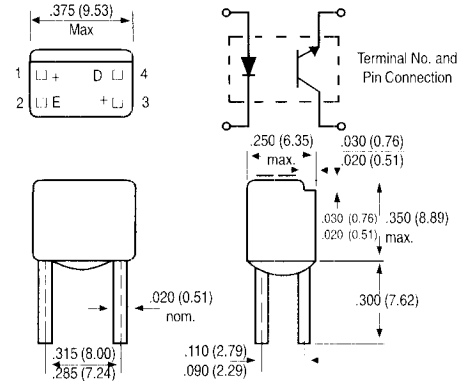
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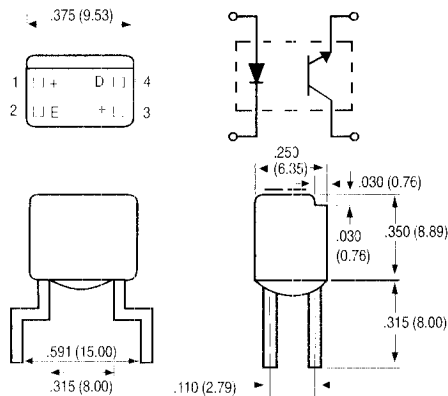
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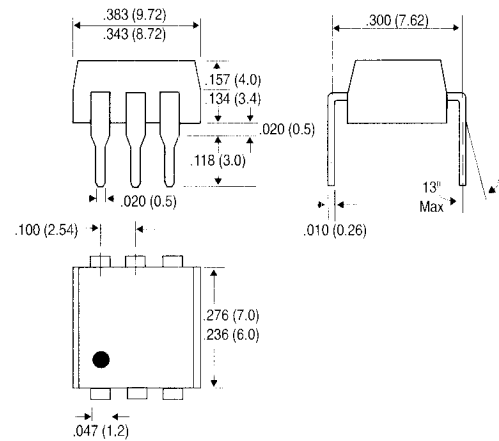
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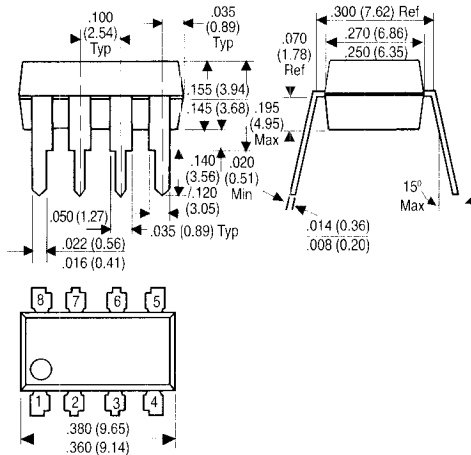
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6



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# Coupler Schematics

