

## Surface Mount and Leaded SCRs and TRIACs

### features

- Wide range of SMD and Leaded packages.
- Extended 2 and 4 Amp devices in a SOT-223, and 8 Amp devices in a DPAK
- The molding compound has UL flammability classification 94V-O.
- All devices are Lead (Pb) Free plated with 100% Tin and are RoHS compliant.



### description

The CENTRAL SEMICONDUCTOR SCRs and TRIACs are designed for use in today's most popular industrial, commercial and consumer products. Available in both leaded and surface mount packages. The molding compound used in these high quality thyristors has UL flammability classification 94V-O. Central's devices are lead (Pb) Free plated with 100% Tin and are RoHS compliant.

### selection guide



#### SCRs

$I_T$ (AMPS)	SMD	Leaded	$V_{DRM}, V_{RRM}$ (VOLTS)
0.2	SOT-23		100-400
0.8		TO-92	30-800*
	SOT-89 SOT-223		600-800* 400
1.0		TO-18	200-800*
1.5		TO-92	400-600
2.0		TO-92	600-800*
	SOT-223†		600-800*
4.0		TO-39 TO-126 TO-202 TO-202-2	200-800* 200-600 200-800* 200-800*
	SOT-223† DPAK		600-800* 600-800*
8.0		TO-220	200-800*
	DPAK† D <sup>2</sup> PAK		600-800* 600-800*
12		TO-220	200-800*
	D <sup>2</sup> PAK		600-800*
16		TO-3 50 mil	200-800*
	D <sup>2</sup> PAK		600-800*
25		TO-220	200-800*
	D <sup>2</sup> PAK		600-800*
35		TO-220	600-800*

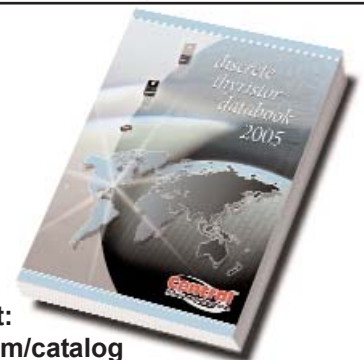
\* For 800 Volt Devices Please Consult Factory

† New extended current range.

#### TRIACs

$I_T$ (AMPS)	SMD	Leaded	$V_{DRM}, V_{RRM}$ (VOLTS)
1.0		TO-92	200-800*
	SOT-89 SOT-223		400-800* 600-800*
2.0		TO-92	600-800*
	SOT-89 SOT-223†		600-800* 600-800*
4.0		TO-39 TO-126 TO-202 TO-202-2	200-800* 200-600 200-800* 200-800*
	SOT-223† DPAK		600-800* 600-800*
8.0		TO-220 TO-220FP	200-800* 600-800*
	D <sup>2</sup> PAK		600-800*
12		TO-220 TO-220FP	200-800* 600-800*
	D <sup>2</sup> PAK		600-800*
16		TO-220 TO-220FP	200-800* 600-800*
	D <sup>2</sup> PAK		600-800*
25		TO-220 TO-220FP	200-800* 600-800*
	D <sup>2</sup> PAK		600-800*

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# Surface Mount and Leaded SCRs and TRIACs

## Central's Thyristor Case Types

### Surface Mount Devices



SOT-23



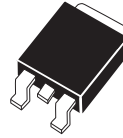
SOT-89



SOT-223

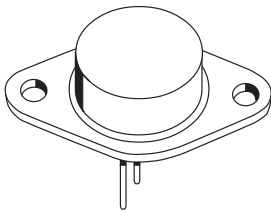


DPAK



D²PAK

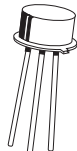
### Leaded Devices



TO-3 50 mil



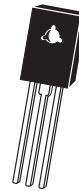
TO-18



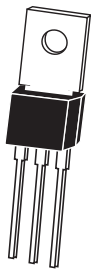
TO-39



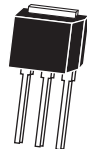
TO-92



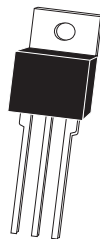
TO-126



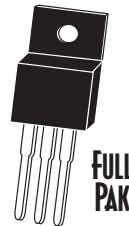
TO-202



TO-202-2



TO-220



TO-220FP

FULL  
PAK

For more information on this product please visit [www.centrasemi.com](http://www.centrasemi.com)

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PA Thyristor