

TRIACs

Optically Isolated

Triac Driver/Triac Combinations

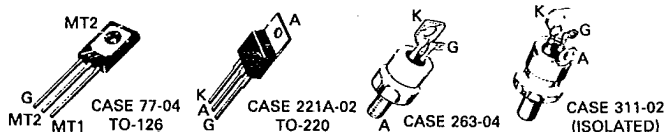
This series of Triac Drivers consists of infrared LEDs optically coupled to photodetectors with Triac output. 7500 V isolation between input and output allows safe, economical triggering of higher power triacs from logic sources with output as low as 3 volts, 10 mA. Associated voltage-compatible triacs provide matched pairs for a variety of voltage/current requirements.



Triac Drivers — all in Case 730A

Peak Blocking Voltage Volts	LED Trigger Current I_{FT} mA, Max	Device
250	30	MOC3009
	15	3010
	10	3011
400	30	3020
	15	3021
For Zero Crossover Firing		
250	30	MOC3030*
	15	3031*
400	30	3040
	15	3031
600	30	3060
	15	3061

*Underwriters' Laboratories Recognition, File No. E54915.



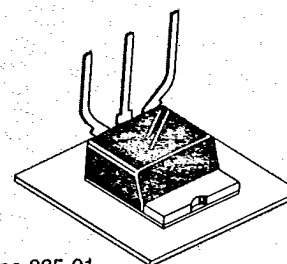
Triacs

Output Current I_{RMS} A, Max	Peak Blocking Voltage Volts			Case
	250	400	600	
4	MAC3010-4	MAC3020-4	—	77-04
8	-8	-8	—	221A
15	-15	-15	—	221A
25	-25	-25	—	221A
40	-40	-40	—	263
40	-40I	-40I	—	311
For Zero Crossover Firing				
4	MAC3030-4	MAC3040-4	MAC3060-4	77-04
8	-8	-8	-8	221A
15	-15	-15	-15	221A
25	-25	-25	-25	221A
40	-40	-40	-40	263
40	-40I	-40I	-40I	311

Chipscrete

Subassemblies

A chipscrete is a TO-220 package with the tab clipped, leads bent and leadframe flag soldered to a ceramic insulator. With this approach, a tested, isolated die can be designed as a subassembly for relays, controls and power switching applications. The selector guide below shows the popular types only. Any TO-220 can become a chipscrete subassembly.



Case 335-01

Chipscrete SCRs

V_{DRM}/V_{RRM}	12 A	16 A	25 A
400	CS6397	CS6403	CS6507
600	CS6398	CS6404	CS6508
800	CS6399	CS6405	CS6509

Chipscrete Triacs

V_{DRM}/V_{RRM}	12 A	15 A	25 A
400	CT6343A CT6347A†	CT15-6 CT15A6†	CT223-6 CT223A6†
600	CT6344A CT6348A†	CT15-8 CT15A8†	CT223-8 CT223A8†
800	CT6345A CT6349A†	CT15-10 CT15A10†	CT223-10 CT223A10†

†4-mode triggering

Normal delivery — 8 weeks after receiving order.
Minimum order size is 100 pieces.