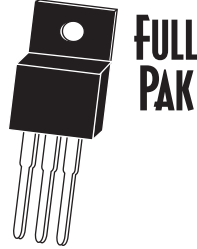


8 thru 25 Amp TRIACs in a TO-220FP Full PAK

CQ220-8MFP Series

features →

- Fully isolated plastic case.
(no mica insulator required)
- 8, 12, 16 and 25 Amps
- 600 and 800 Volts



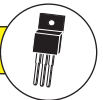
description →

The CENTRAL SEMICONDUCTOR CQ220-8MFP series types are Epoxy Molded Silicon TRIACs designed for full wave AC control applications featuring gate triggering in all four (4) quadrants. The fully isolated plastic case requires no additional insulation for mounting.

For more information on this series or on any other thyristor manufactured by CentralTM, visit:
www.centrasemi.com/thyristors

Sample Devices
available
upon request.

selection guide



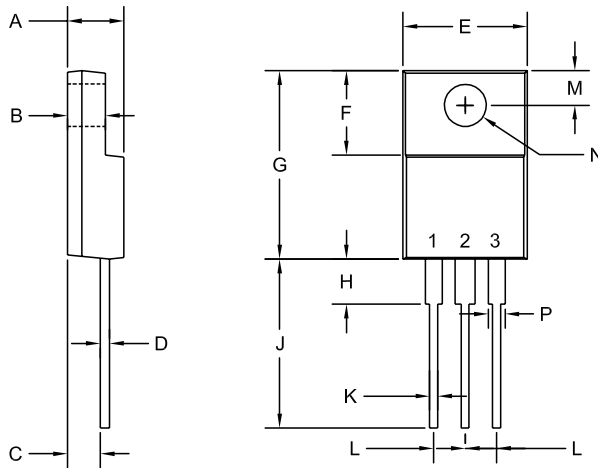
I_T (AMPS)	8.0	12	16	25
@ T_C (°C)	90	90	90	90
I_{TSM} (AMPS)	50	80	110	150
V_{DRM}, V_{RRM} (VOLTS)				
600	CQ220-8MFP	CQ220-12MFP	CQ220-16MFP	CQ220-25MFP
800	CQ220-8NFP*	CQ220-12NFP*	CQ220-16NFP*	CQ220-25NFP*

$I_{GT\ QI}$	20mA	20mA	25mA	30mA
$I_{GT\ QII}$	20mA	20mA	25mA	30mA
$I_{GT\ QIII}$	20mA	20mA	25mA	30mA
$I_{GT\ QIV}$	50mA	50mA	75mA	60mA
$V_{GT\ QI-QIII}$	1.5V	1.5V	1.5V	1.5V
$V_{GT\ QIV}$	2.5V	2.5V	2.5V	2.5V
I_H	25mA	25mA	25mA	50mA

* 800 volt devices are available on request. Please consult factory.

8 thru 25 Amp TRIACs in TO-220FP Full PAK

Mechanical Specifications - TO-220FP



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.180	0.190	4.57	4.83
B	0.101	0.111	2.57	2.83
C	0.099	0.103	2.51	2.62
D	0.018	0.025	0.45	0.63
E	0.408	0.418	10.37	10.63
F	0.238	0.258	6.06	6.56
G	0.625	0.635	15.86	16.12
H	0.125	0.135	3.18	3.43
J	0.530	0.540	13.46	13.72
K	0.026	0.031	0.65	0.79
L	0.100		2.54	
M	0.124	0.128	3.15	3.25
N (DIA)	0.116	0.119	2.95	3.03
P	0.048	0.053	1.23	1.36

TO-220FP (REV: R2)

R2

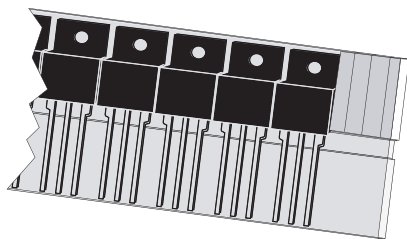
Packing Information

Standard: Bulk

Devices are bulk packed in white corrugated box with black conductive coating (surface resistivity of $<10^5$ ohms per square).

Standard Packing Quantity: 500

Sleeve Packing Quantity: 50



TO-220FP Antistatic Sleeve

Lead Code:

TRIAC

- 1) MT1
- 2) MT2
- 3) GATE

For more information on this product please visit: www.centrasemi.com

CentralTM
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*Innovations in Discrete
Semiconductors*

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PA FullPAK Triac