



ELECTRONICS, INC.
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NTE5335 & NTE5338 3-Phase Bridge Rectifier

Description:

The NTE5335 and NTE5338 3-Phase bridge rectifiers incorporate highly efficient thermal management to provide high surge capability, extended life, and reliable performance. Available in an industry standard screw-mount package, these devices provide 2500V_{rms} from all terminals to the baseplate.

Features:

- High Surge Current Rectifier Circuits

Electrical Characteristics:

Repetitive Peak Reverse Voltage (240VAC), V _{RRM}	600V
Maximum DC Output Current (T _C = +85°C), I _D	
NTE5335	60A
NTE5338	100A
Maximum Non-Repetitive Surge Current (1/2 Cycle, 60Hz), I _{TSM}	
NTE5335	800A
NTE5338	1500A
Maximum Voltage Drop (At Rated Current Peak), V _F	
NTE5335	1.35V
NTE5338	1.20V
Maximum I ² t for Fusing (t = 8.3ms), I ² t	
NTE5335	2650A ² sec
NTE5338	9350A ² sec
Isolation Voltage, V _{ISOL}	2500V _{rms}
Operating Junction Temperature Range, T _J	-40° to +125°C
Maximum Thermal Resistance (Per Chip), Junction-to-Ceramic Base, R _{θJC}	
NTE5335	0.45°C/W
NTE5338	0.30°C/W

