



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<sub>rms</sub> from all terminals to the baseplate.

### Features:

- High Surge Current Rectifier Circuits

### Electrical Characteristics:

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

