



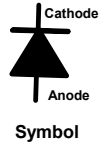
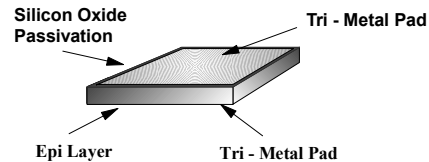
**Transys  
Electronics  
LIMITED**

**RZD2538-W - 25 Amp  
RZD3538-W - 35 Amp  
RZD5038-W - 50 Amp**  
Rectifier/Zener Automotive Die On Wafer

## Data Sheet

### Features

- \* Epi Layer for tight control of parameters
- \* Silicon oxide passivation for superior junction protection
- \* Visual to Mil Std 750C
- \* 100 % Tested
- \* Low Reverse Leakage
- \* Low Forward Voltage



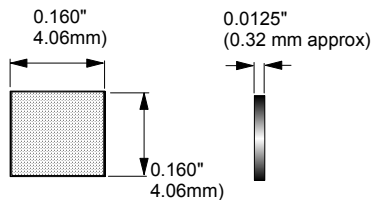
Characteristics at 25° c <small>(Unless stated otherwise)</small>	Maximum Forward Voltage	Reverse Breakdown Voltage	Maximum Reverse Leakage	Maximum Forward Current @ Ta = 150° c	Non Repetitive Peak Forward Surge Current	Outline
Type Number	V <sub>F</sub> Volt	V <sub>BR</sub> Volt	I <sub>R</sub> nA	I <sub>F (AVG)</sub> Amp	I <sub>FSM</sub> Amp	
RZD2538-W	1.05 @ 75A t = 300µS < 2% Duty Cycle	38 - 42 @ 100mA	200 @ VR =31 Volt	25	400 @ 8.3mS single half wave. (Jedec Method)	1
RZD3538-W	1.05 @ 100A t = 300µS < 2% Duty Cycle	38 - 42 @ 100mA	200 @ VR =31 Volt	35	600 @ 8.3mS single half wave. (Jedec Method)	2
RZD5038-W	1.05 @ 100A t = 300µS < 2% Duty Cycle	38 - 42 @ 100mA	200 @ VR =31 Volt	50	800 @ 8.3mS single half wave. (Jedec Method)	3

Maximum Operating Temperature Range -65 to + 200 ° C  
Maximum Storage Temperature Range -65 to + 200 ° C

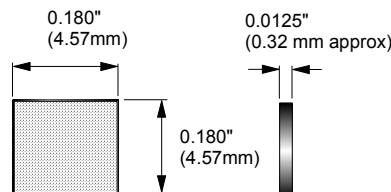
\* The characteristics above assume the die are assembled in industry standard packages using appropriate attach methods

## Mechanical Dimensions

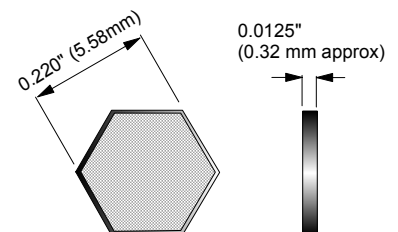
Outline 1



Outline 2



Outline 3



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