

# ZP5000 - RECTIFIER DIODE

Jiangs Yangjie Semiconductor Co.,Ltd

2500-3500V<sub>RRM</sub>

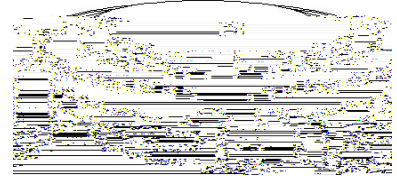
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## GENERAL PURPOSE HIGH POWER STANDARD RECTIFIER

### Features:

- . All Diffused Structure
- . High Surge rating
- . Blocking capability up to 3500 volts
- . Ceramic Housing Hermetic Package
- . Pressure Assembled Device

ZT95cT



## ELECTRICAL CHARACTERISTICS AND RATINGS

### Reverse Blocking

$V_{RRM}$  = Repetitive peak reverse voltage

$V_{RSM}$  = Non repetitive peak reverse voltage (2)

Repetitive peak reverse leakage	$I_{RRM}$	5 mA 200 mA (3)
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### Conducting - on state

Parameter	Symbol	Min.	Max.	Typ.
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Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Operating temperature	$T_j$	-40	+175		°C	
Storage temperature	$T_{stg}$	-40	+175		°C	
Thermal resistance - junction to case	$R_{jc}$		0.008		°C/W	Double sided cooled
Thermal resistance - case to heatsink	$R_{cs}$		0.002		°C/W	Double sided cooled
Mounting force	P	55	65	60	kN	
Weight	W			1.40	kg.	