

ZK2000-RECTIFIER DIODE

Jiangsu Yangjie Runau Semiconductor Co.,Ltd

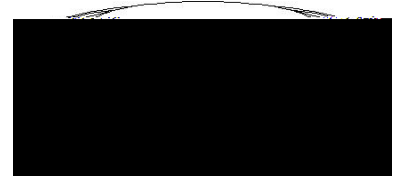
1000-1800 V_{RRM}

FAST RECOVERY RECTIFIER DIODE

Features:

ZT70cT

- . All diffused structure
- . High surge rating
- . Blocking capability up to 1800 volts
- . Soft recovery
- . Ceramic housing hermetic package
- . Pressure assembled device



ELECTRICAL CHARACTERISTICS AND RATINGS

Reverse Blocking

V_{RRM} = Repetitive peak reverse voltage

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

Repetitive peak reverse leakage current	I _{RRM}	15 mA 100 mA (3)
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Conducting - on state

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Average forward current	I _F (AVAVAVA					

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Operating temperature	T_j	-40	+125		°C	
Storage temperature	T_{stg}	-40	+140		°C	
Thermal resistance - junction to case	$R_{\Theta(j-c)}$		0.0125		°C/W	Double sided cooled (1) @ 2000 lb.; (2) @800 lb.
Thermal resistance - junction to case	$R_{\Theta(j-c)}$		0.025		°C/W	Single sided cooled (1) @ 2000 lb.; (2) @800 lb.
Thermal resistance - case to heatsink	$R_{\Theta(c-s)}$		0.004 0.008		°C/W	Double sided cooled * Single sided cooled *
Mounting force	P			33	kN	
Weight	W			850	g	

* Mounting surfaces smooth, flat and greaseless

CASE OUTLINE AND DIMENSIONS

