

ZK1000-RECTIFIER DIODE

Jiangsu Yangjie Runau Semiconductor Co.,Ltd

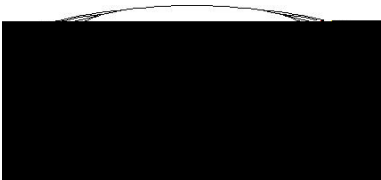
2000-3000 V_{RRM}

FAST RECOVERY RECTIFIER DIODE

Features:

ZT55cT

- . All diffused structure
- . High surge rating
- . Blocking capability up to 3000 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 50 mA (3)
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Conducting T. BDC 0.0000092 0 622 reWhBT/F3 12 Tf1 0 0 1 52 11.9Tm0 g0 G[]TJ11. BDC 0.0000092 0

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	$R_{\Theta(j-c)}$		0.022		°C/W	Double sided cooled (1) @ 2000 lb.; (2) @800 lb.
Thermal resistance - junction to case	$R_{\Theta(j-c)}$		0.044		°C/W	Single sided cooled (1) @ 2000 lb.; (2) @800 lb.
Thermal resistance - case to heatsink	$R_{\Theta(c-s)}$		0.005 0.010		°C/W	Double sided cooled * Single sided cooled *
Mounting force	P			25	kN	
Weight	W			460	g	

* Mounting surfaces smooth, flat and greaseless

CASE OUTLINE AND DIMENSIONS

