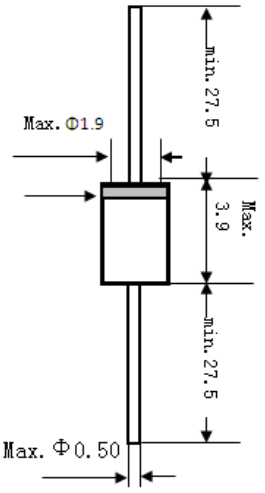
YZPST-BAT85

Schottky barrier single diode



Glass DO-35
Dimensions in mm

ABSOLUTE RATINGS(LIMITING VALUES)

	Symbols	Value	Units
Repetitive Peak Reverse Voltage	V_R	30	V
Forward Continuous Current at T_A=25°C	I_F	200 [1]	mA
Repetitive Peak Forward Current at t_p<1s, δ <0.5, T_A=25°C	I_{FM}	300 [1]	mA
Surge forward current at t_p<10ms, T_A=25°C	I_{FSM}	600 [1]	mA
Power Dissipation at T_A=65°C	P_{tot}	200 [1]	mW
Junction temperature	T_J	125	°C
Ambient Operating temperature Range	T_A	-65 to+125	°C
Storage Temperature Range	T_{STG}	-65 to+150	°C
1) Valid provided that leads at a distance of 4mm from case are kept at ambient temperature			

ELECTRICAL CHARACTERISTICS

	Symbols	Min.	Typ.	Max.	Unis
Reverse breakdown voltage Tested with 100μA pulses	$V_{(BR)R}$	30			V
Forward voltage Pulse Test t_p< 300μs,δ< 2% at IF=0.1mA, at IF=1mA, at IF=10mA, at IF=30mA, at IF=100mA	 VF VF VF VF VF		 0.50	 0.24 0.32 0.4 0.8	 V V V V V
Leakage current V_R=25V	I_R			2	μA
Junction Capacitance at V_R=1V f=1MHz	C_J			10	pF
Reverse recovery time Form I_F=10mA,I_R=10mA,I_R=1mA	trr			5	ns
Thermal resistance junction to ambient Air	$R_{\theta JA}$			300 [1]	K/W
1) Valid provided that leads at a distance of 4mm from case are kept at ambient temperature(DO-35)					

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