

SOT-23 SCHOTTKY DIODE

FEATURES

* Power Dissipation

PD: 200mW(Tamb= 25°C)

MECHANICAL DATA

* Case: Molded plastic

* Epoxy: UL 94V-O rate flame retardant

* Lead: MIL-STD-202E method 208C guaranteed

* Mounting position: Any * Weight: 0.008 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.

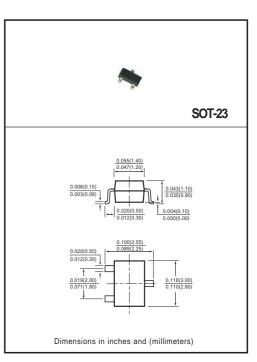


MAXIMUM RATINGES (@ TA = 25°C unless otherwise noted)

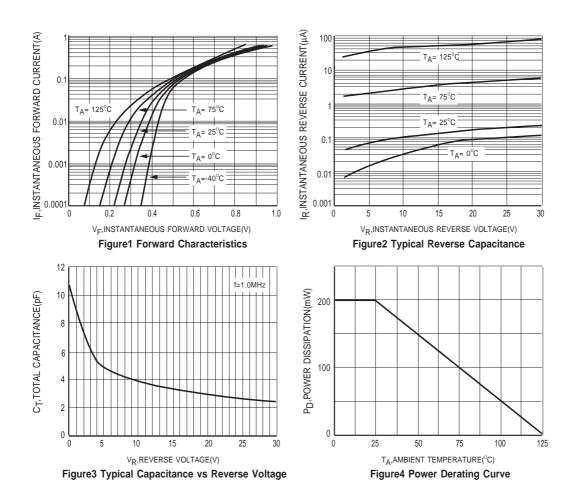
MAXIMUM RATINGES (@ TA = 25 C utiles Soutierwise Hoted)							
RATINGS	SYMBOL	VALUE	UNITS				
Peak Repetitive Peak reverse voltage							
Working Peak Reverse Voltage	V _R	30	V				
DC Blocking Voltage							
Forward Continuous Current	IF	200	mA				
Max. Steady State Power Dissipation @T _A =25°C	Pb	200	mW				
Max. Operating Temperature Range	TJ	150	°C				
Storage Temperature Range	Тѕтс	-55 to +150	°C				

ELECTRICAL CHARACTERISTICS (@ TA = 25° C unless otherwise noted)

CHARACTERISTICS	SYMBOL	MIN.	TYP.	MAX.	UNITS
Reverse breakdown voltage (I _R =100μA)	V _{(BR)R}	30	-	-	V
Reverse voltage leakage current (V _R =25V)	I _R	-	-	2	μА
Forward voltage (I _F =0.1mA)				0.24	
(I _F =1mA)				0.32	
(I _F =10mA)	V _F	-	-	0.40	V
(I _F =30mA)				0.50	
(I _F =100mA)				1	
Diode capacitance (V _R =1V,f=1MHz)	C _D	-	-	10	pF
Reveres recovery time ($I_F=I_R=10$ mA, $I_{\Gamma\Gamma}=0.1$ X I_R , $R_L=100\Omega$)	t _{rr}	-	-	5	nS



RATING AND CHARACTERISTICS CURVES (BAT54S)



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