

SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings TA=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	40	V
V _R	Maximum DC Reverse Voltage	40	V
F(AV)	Average Rectified Forward Current $@ T_A = 40^{\circ}C$	0.75	А
FSM	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	8	A
Г _Ј	Operating Junction Temperature	-65 to +125	°C
T _{STG}	Storage Temperature	-65 to +150	°C

Thermal Characteristics

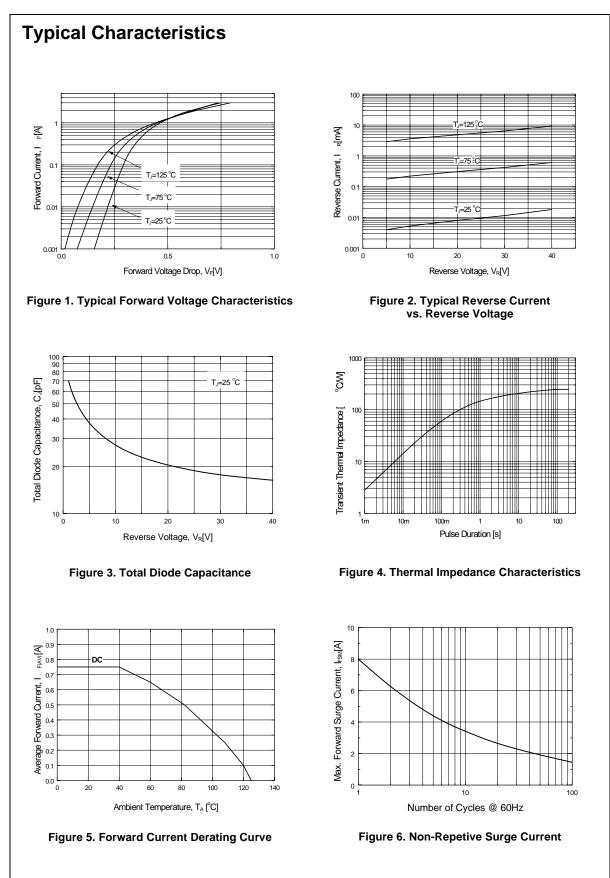
Symbol	Parameter	Value	Units
R _{θJA}	Thermal Resistance, Junction to Ambient	250	°C/W

Electrical Characteristics

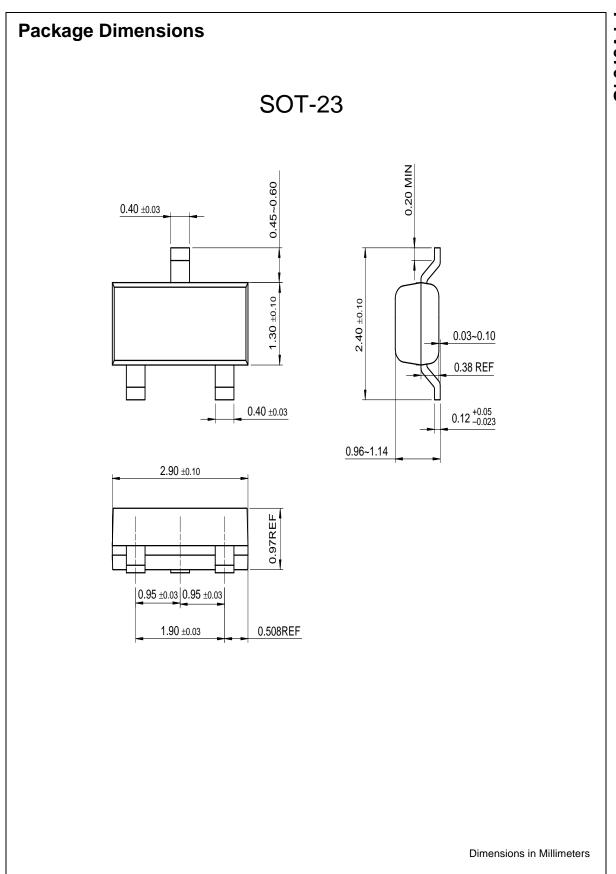
Symbol	Parameter		Min.	Тур.	Max.	Units
V _F *	Forward Voltage Drop	- AV2				V
	$I_F = 50m/$	$T_A = 25 °C$	-	0.270	-	
	$l_{\rm F} = 100 {\rm m}$	T _A = 25 °C	_	0.290	-	
	I _F = 500n		-	0.380	-	
	I _F = 750n	T _A = 25 °C	-	0.425	0.48	
	$I_F = 1A$	T _A = 25 °C	-	0.460	-	
	I _F = 1.5A	T _A = 25 °C	-	0.535	-	
	I _F = 750n	$T_A = 125 °C$	-	0.375	-	
I _R *	Reverse Current					mA
	@ rated \	/ _R T _A = 25 °C	-	0.02	0.1	
		T _A = 125 °C	-	10	-	

* Pulse Test: Pulse Width=300µs, Duty Cycle=2%

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