

Surface Mount Schottky Barrier

FEATURES

- Designed for mounting on small surface
- Extremely thin/leadless package
- Low capacitance
- Low forward voltage drop
- Packing code with suffix "G" means green compound (halogen-free)





0603

ROHS

MECHANICAL DATA

- Case: 0603

- Molding compound, UL flammability classification rating 94V-0

- Terminal: Gold plated, solderable per

MIL-STD-750, method 2026

Polarity : Indicated by cathode bandWeight : 0.003 g (approximately)

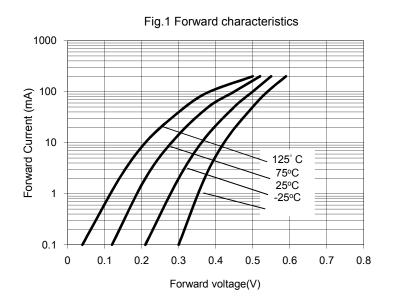
- Marking code: BB

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)					
PARAMETER	SYMBOL	VALUE	UNIT		
Repetitive Peak Reverse Voltage	V_{RRM}	35	V		
DC Reverse Voltage	V_R	30	V		
Average Forward Current	Io	200	mA		
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rate Load	I _{FSM}	1.0	А		
Power Dissipation	Pd	150	mW		
Forward Voltage @ I _F =200mA	V_{F}	0.6	V		
Reverse Leakage Current V _R =10V	I _R	1.0	μΑ		
Typical Capacitance Between Terminals V _R =1V, f =1.0MHz Reverse Voltage	CJ	1.5	pF		
Junction Temperature	TJ	-40 to +125	°C		
Storage Temperature	T _{STG}	-40 to +125	°C		



RATINGS AND CHARACTERISTICS CURVES

(T_A=25°C unless otherwise noted)



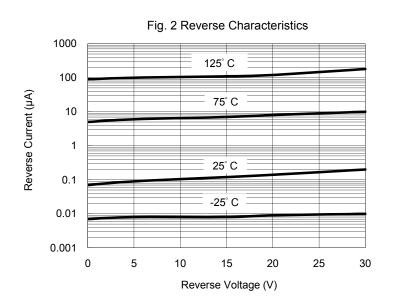
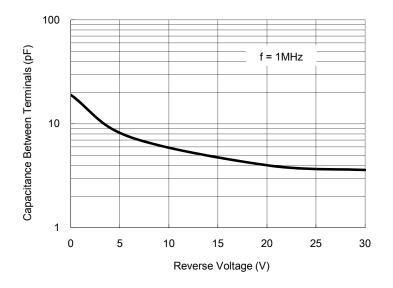
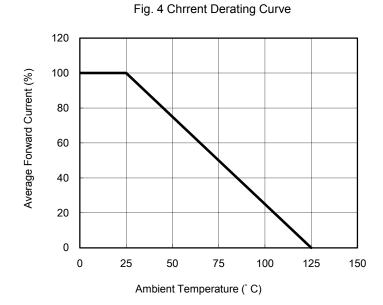
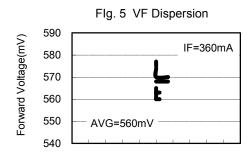
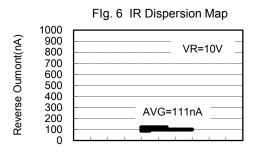


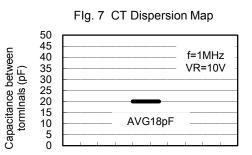
Fig. 3 Capacitance Between Terminals Characteristics













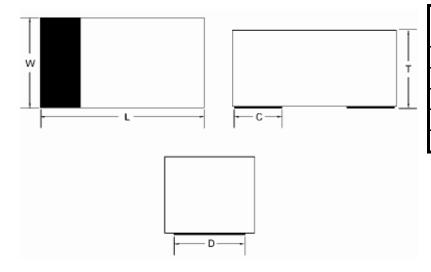


ORDERING INFORMATION							
PART NO.	PART NO. SUFFIX (Note 1)	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING		
TSS0230U	-xx	RZ	G	0603	5K / 7" Reel		

Note 1: Part No. Suffix "-xx " would be used for special requirement

EXAMPLE						
PREFERRED P/N	PART NO.	PART NO. SUFFIX	PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION	
TSS0230U RZG	TSS0230U		RZ	G	Multiple manufacture source Green compound	
TSS0230U-F0 RZG	TSS0230U	-F0	RZ	G	Define manufacture source Green compound	

PACKAGE OUTLINE DIMENSION 0603



DIM.	Unit (mm)			Unit (inch)			
	Min	Тур.	Max	Min	Тур.	Max	
L	1.60	-	1.80	0.063	-	0.071	
W	0.80	-	1.00	0.031	-	0.039	
T	0.70	-	0.85	0.028	-	0.033	
С	-	0.45	-	-	0.018	-	
D	_	0.70	_	_	0.028	_	





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