

# **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



#### **MECHANICAL DATA**

- Case: 0603

- Terminal: Gold plated, solderable per

MIL-STD-750, method 2026

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

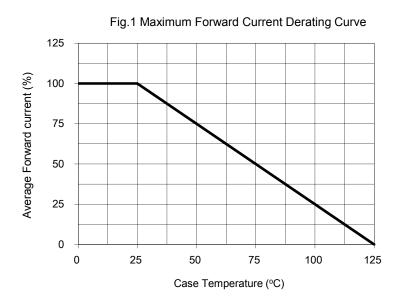
- Marking code: RZ

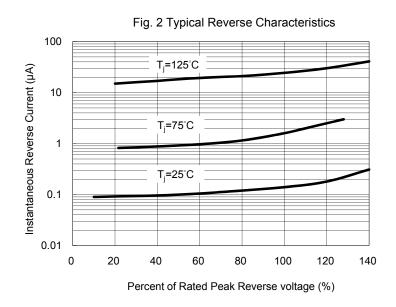
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T <sub>A</sub> =25°C unless otherwise noted)					
PARAMETER		SYMBOL	VALUE	UNIT	
Repetitive Peak Reverse Voltage		$V_{RRM}$	45	V	
DC Reverse Voltage		V <sub>R</sub>	40	V	
Average Forward Current		Io	30	mA	
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rate Load		I <sub>FSM</sub>	500	mA	
Power Dissipation		Pd	150	mW	
Forward Voltage @ I <sub>F</sub> = 1 mA		V <sub>F</sub>	0.37	V	
Powerse Leekage Current	V <sub>R</sub> =30V	,	0.5	μА	
Reverse Leakage Current	V <sub>R</sub> =40V	I <sub>R</sub>	1.0		
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 <sub>STG</sub>	-40 to +125	°C	

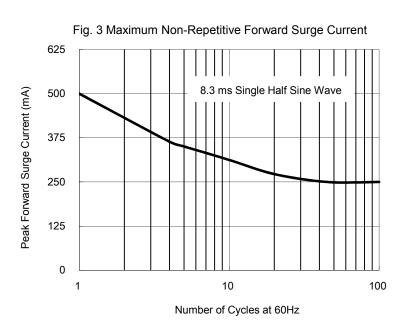


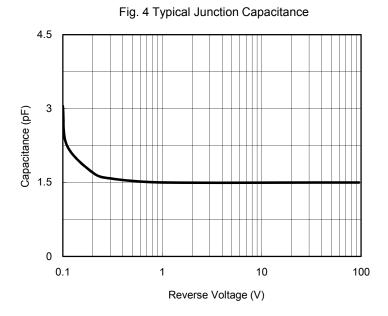
## **RATINGS AND CHARACTERISTICS CURVES**

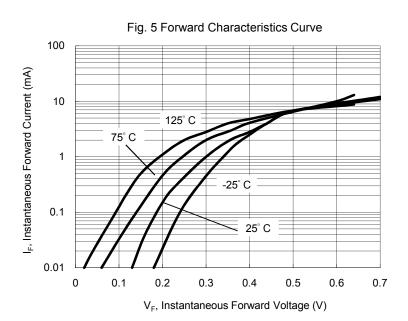
(T<sub>A</sub>=25°C unless otherwise noted)













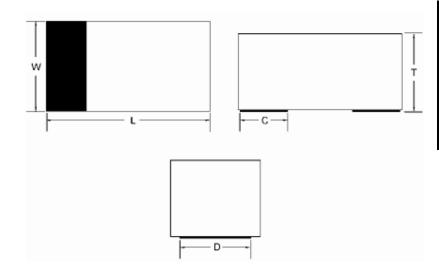


ORDERING INFORMATION							
PART NO.	PART NO. SUFFIX (Note 1)	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING		
TSS0340U	-xx	RZ	G	0603	5K / 7" Reel		

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

EXAMPLE						
PREFERRED PART NO.	PART NO.	PART NO. SUFFIX	PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION	
TSS0340U RZG	TSS0340U		RZ	G	Multiple manufacture source Green compound	
TSS0340U-F0 RZG	TSS0340U	-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
Т	0.70	-	0.85	0.028	-	0.033
С	-	0.45	-	-	0.018	-
D	_	0.70	_	-	0.028	_



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