

Surface Mount Schottky Barrier

FEATURES

- Designed for mounting on small surface
- Extremely thin/leadless package
- Low capacitance
- Low forward voltage drop
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21







0603

MECHANICAL DATA

- Case: 0603

- Terminal: Gold plated, solderable per

MIL-STD-750, method 2026

Polarity : Indicated by cathode bandWeight : 3 mg (approximately)

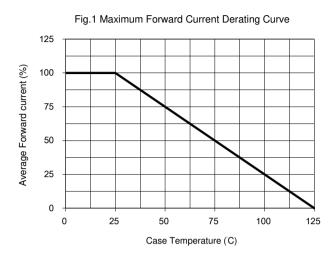
- Marking code: B2

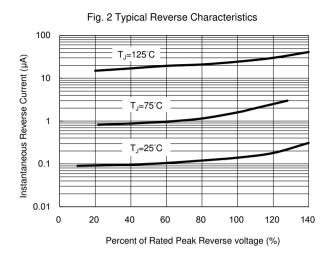
MAXIMUM RATINGS AND ELECTRICAL CHA	RACTERIS	STICS (T _A =25°C unless otherwise noted)	
PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	45	V
DC Reverse Voltage	V_R	40	V
Average Forward Current	Io	30	mA
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rate Load	I _{FSM}	500	mA
Power Dissipation	Pd	150	mW
Forward Voltage @ I _F = 1 mA	V_{F}	0.37	V
Reverse Leakage Current V _R =30V		0.5	μΑ
V _R =40V		1.0	
Typical Capacitance Between Terminals V _R =1V, f =1.0MHz Reverse Voltage	CJ	1.5	pF
Junction Temperature	T_J	-40 to +125	°C
Storage Temperature	T _{STG}	-40 to +125	°C

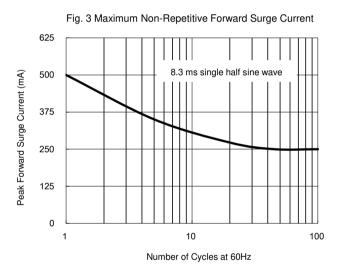


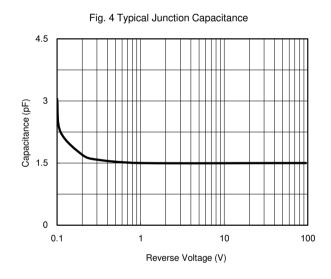
RATINGS AND CHARACTERISTICS CURVES

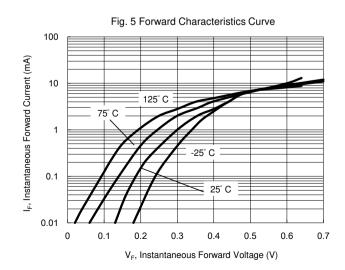
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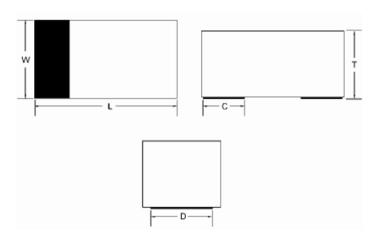
ORDERING INFORMATION							
PART NO.	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING			
TSS0340U	RG	G	0603	4K / 7" Reel			

Note: Whole series with green compound

EXAMPLE						
EXAMPLE PART NO.		PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION		
TSS0340U RGG	TSS0340U	RG	G	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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