

- 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 band
- Weight : 0.003 g (approximately)
- Marking code: BG

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE
Repetitive Peak Reverse Voltage	V _{RRM}	70
DC Reverse Voltage	V _R	70
RMS Reverse Voltage	V _{R(RMS)}	49
Average Forward Current	I _O	70
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rate Load	I _{FSM}	100
Power Dissipation	P _d	150
Forward Voltage	V _F	I _F = 1 mA 0.41
		I _F = 15 mA 1.0
Reverse Leakage Current	I _R	V _R = 25 V 0.1
Typical Capacitance Between Terminals V _R = 0 V , f = 1.0 MHz Reverse Voltage	C _J	2
Reverse Recovery Time (I _F = I _R = 10mA, I _{RR} = 0.1×I _R , R _L =100Ω)	t _{rr}	5
Junction Temperature	T _J	-65 to +125
Storage Temperature	T _{STG}	-65 to +125

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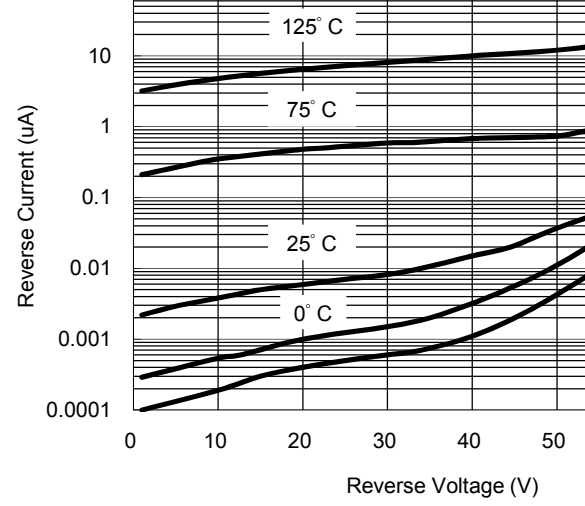
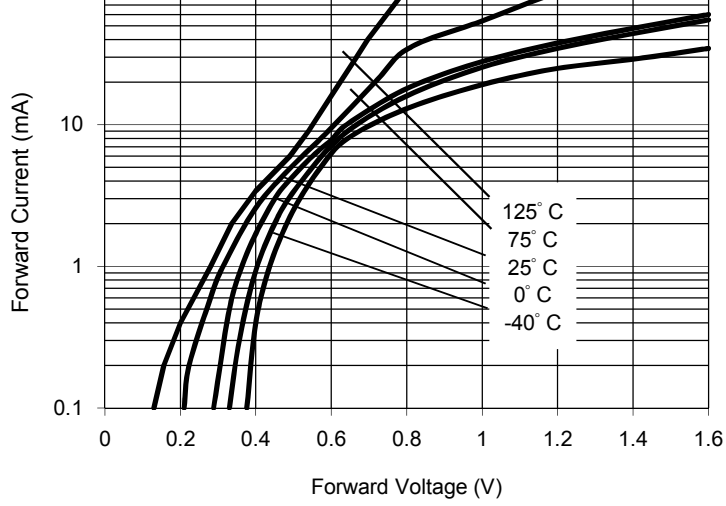


Fig. 3 Capacitance Between Terminals Characteristics

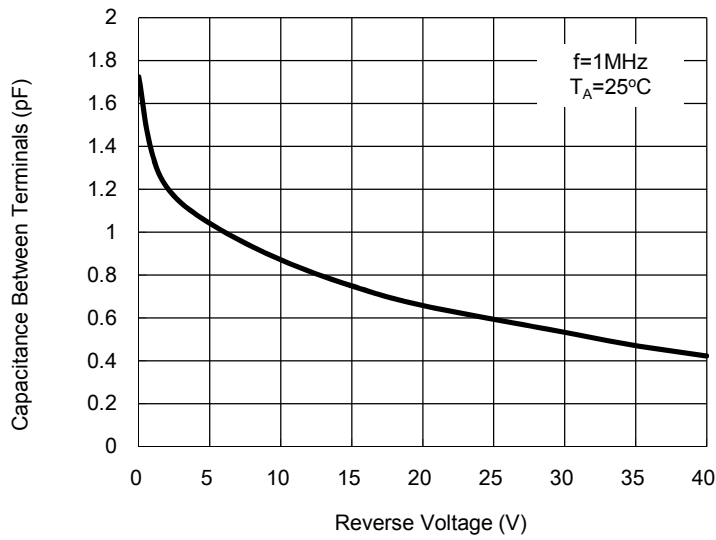
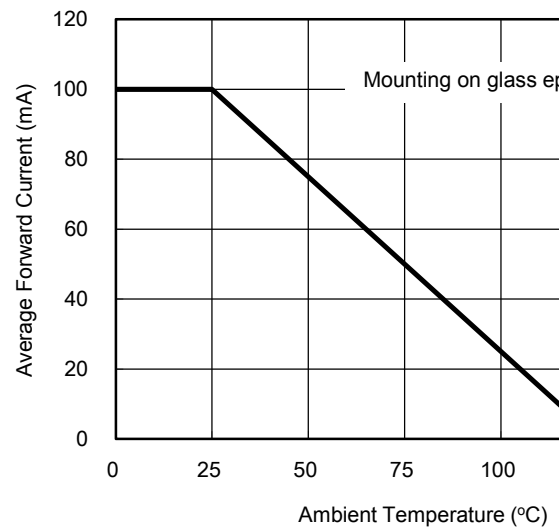


Fig. 4 Current Derating Curve

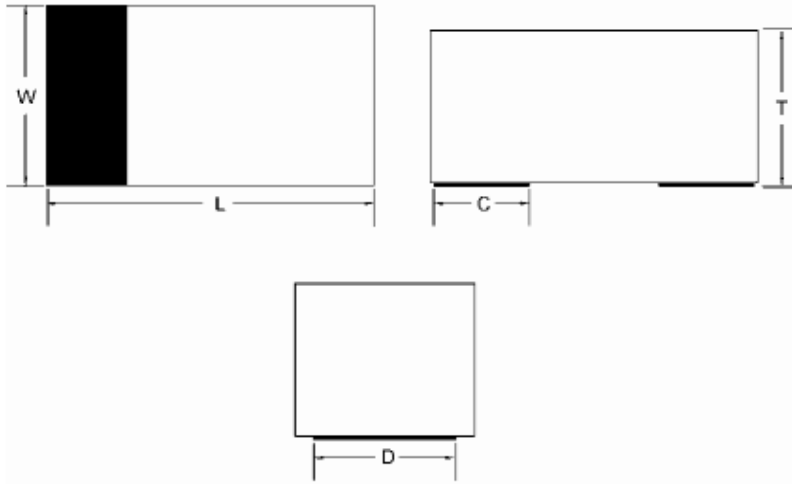


Note 1: Part No. Suffix „-xx “ would be used for special requirement

EXAMPLE					
PREFERRED PART NO.	PART NO.	PART NO. SUFFIX	PACKING CODE	PACKING CODE SUFFIX	DE
TSS70U RZG	TSS70U		RZ	G	Multip Gre
TSS70U-F0 RZG	TSS70U	-F0	RZ	G	Defin Gre

PACKAGE OUTLINE DIMENSION

0603



DIM.	Unit (mm)			Unit	
	Min	Typ.	Max	Min	Typ.
L	1.60	-	1.80	0.063	-
W	0.80	-	1.00	0.031	-
T	0.70	-	0.85	0.028	-
C	-	0.45	-	-	0.0
D	-	0.70	-	-	0.0

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