- Extremely timineduless package
- Low capacitance
- Low forward voltage drop
- Packing code with suffix "G" means green compound (halogen-free)









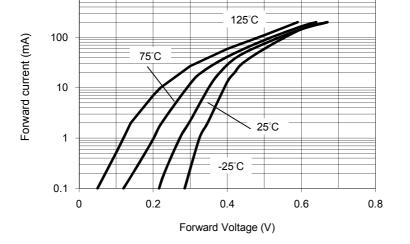
MECHANICAL DATA

- Case: 0603
- Terminal: Gold plated, solderable per MIL-STD-750, method 2026
- Polarity : Indicated by cathode band
- Weight : 0.003 g (approximately)
- Marking code: TSS42U: BD
 - TSS43U: BE

MAXIMUM RATINGS A	ND ELECTRI	CAL CHARAC	TERISTICS	(T _A =25°C unless otherwise noted
PAR	AMETER	SYMBOL	VALUE	
Repetitive Peak Reverse Volta	ge	V _{RRM}	30	
Reverse Voltage		V _R	30	
RMS Reverse Voltage		V _{R(RMS)}	21	
Average Forward Current		Ι _ο	200	
Repetitive Peak Forward Curre	ent	I _{FRM}	500	
Non-Repetitive Peak Forward Surge Current Pulse Width = 8.3 ms (Single Half-Wave)			I _{FSM}	4.0
Power Dissipation			P _D	150
Forward Voltage	TSS42U/43l	J I _F = 200 mA		1.00
	TSS42U	I _F = 10 mA		0.40
	TSS42U	I _F = 50 mA	V _F	0.65
	TSS43U	I _F = 2 mA		0.33
	TSS43U	I _F = 15 mA		0.45
Reverse Leakage Current	V _R = 25 V		I _R	0.5
Typical Capacitance Between Terminals (V _R =1V, f=1.0MHz)			CJ	10
Reverse Recovery Time	(Note 1)		t _{rr}	5
Thermal Resistance	(Junction to	Ambient)	R _{θJA}	667
Operation Junction Temperatu	re Range	TJ	-55 to +125	
Storage Temperature Range		T _{STG}	-55 to +125	

Note 1: Test conditions : $I_F = I_R = 10 \text{ mA}$, Irr = 0.1 × I_R , $R_L = 100 \Omega$

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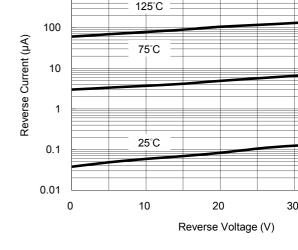
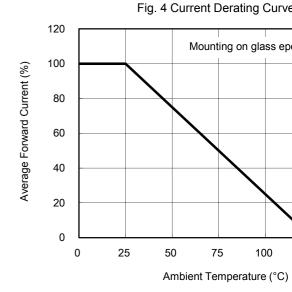


Fig. 3 Capacitance Between Terminals Characteristics Capacitance Between Terminals (pF) f=1MHz

Reverse Voltage (V)



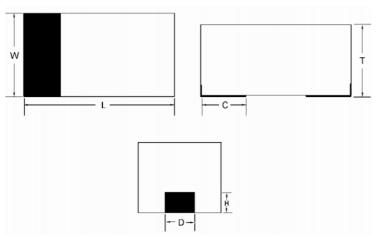
Note 1: "x" is Device Code from "2" thru "3".

Note 2: 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				
TSS42U RZG	TSS42U		RZ	G	Multi Gre				
TSS42U-F0 RZG	TSS42U	-F0	RZ	G	Defir Gre				

PACKAGE OUTLINE DIMENSION

0603



DIM.	J	Jnit (mm	Unit		
	Min	Тур	Max	Min	Ту
L	1.60	-	1.80	0.063	-
W	0.80	-	1.00	0.031	-
Т	0.70	-	0.85	0.028	-
С	-	0.35	-	-	0.0
D	-	0.45	-	-	0.0
Н	-	0.30	-	-	0.0

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