

Surface Mount Schottky

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)





1005



MECHANICAL DATA

- Case: 1005

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

- Terminal: Gold plated, solderable per

MIL-STD-750, method 2026

- Polarity: Indicated by cathode band

- Weight: 6 mg (approximately)

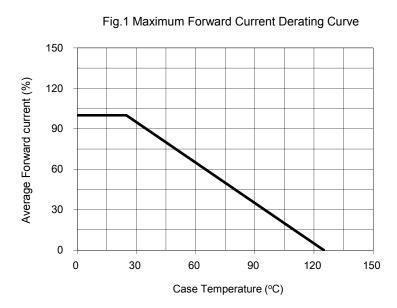
- Marking code: B2

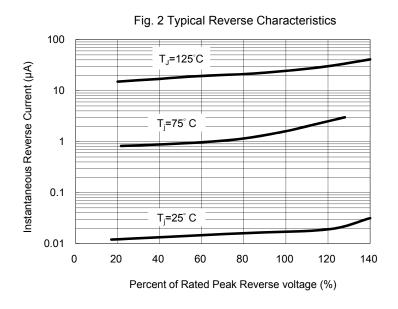
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)						
PARAMETER		SYMBOL	VALUE	UNIT		
Repetitive Peak Reverse Voltage		V_{RRM}	45	V		
DC Reverse Voltage		V_R	40	V		
Average Forward Current		I _o	30	mA		
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rate Load		I _{FSM}	500	mA		
Power Dissipation		Pd	200	mW		
Forward Voltage	I _F = 1.0 mA	V _F	0.37	V		
Reverse Leakage Current	V _R = 30 V		0.5			
	$V_R = 40 V$	I _R	1.0	μA		
Typical Capacitance Between Terminals $V_R = 1 \text{ V}$, $f = 1.0 \text{ MHz}$ Reverse Voltage		CJ	1.5	pF		
Junction Temperature		TJ	-40 to + 125	°C		
Storage Temperature		T _{STG}	-40 to + 125	°C		

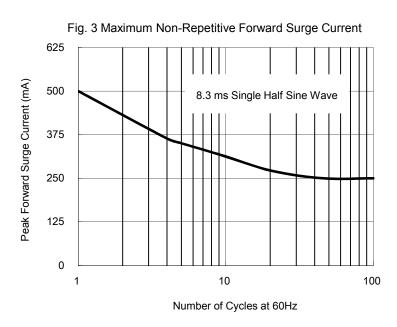


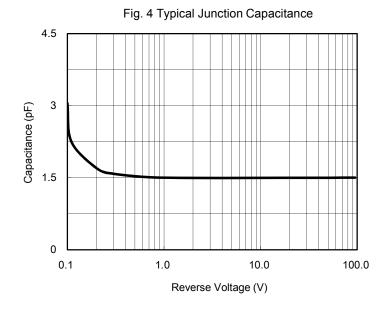
RATINGS AND CHARACTERISTICS CURVES

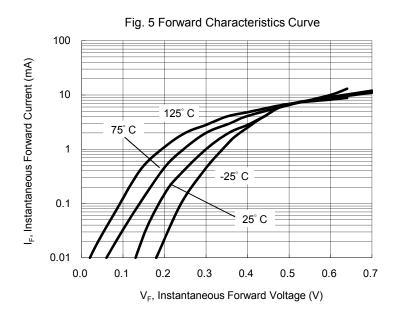
(T_A=25°C unless otherwise noted)











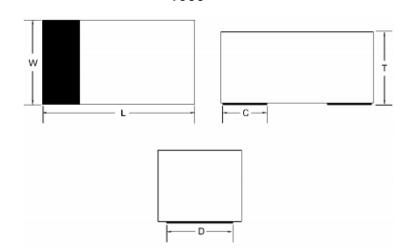


ORDERING INFORMATION							
PART NO.	PART NO. SUFFIX (Note 1)	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING		
TSS0340L	-XX	RW	G	1005	4K / 7" Reel		

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	
TSS0340L RWG	TSS0340L		RW	G	Multiple manufacture source Green compound	
TSS0340L-F0 RWG	TSS0340L	-F0	RW	G	Define manufacture source Green compound	

PACKAGE OUTLINE DIMENSION 1005



DIM.	Unit (mm)			Unit (inch)		
	Min	Тур	Max	Min	Тур	Max
L	2.4	-	2.6	0.094	-	0.102
W	1.1	-	1.3	0.043	1	0.051
Т	0.7	-	0.9	0.028	-	0.035
С	-	0.5	-	_	0.020	-
D	-	1.0	-	_	0.039	-



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