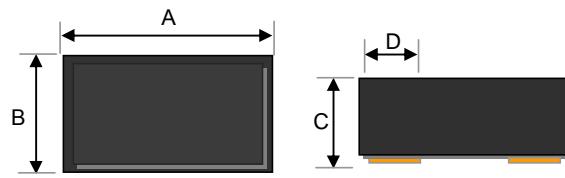
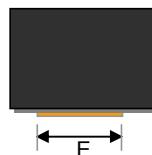


Small Signal Diode



Features

- ◊ Designed for mounting on small surface.
- ◊ (16KV) ICE61000-4-2 rating.
- ◊ Moisture sensitivity level 1
- ◊ Working Voltage : 5V, 12V, 24V
- ◊ Pb free version and RoHS compliant
- ◊ Green compound (Halogen free) with suffix "G" on packing code and prefix "G" on date code



Mechanical Data

- ◊ Case : 1005 standard package, molded plastic
- ◊ Terminal: Gold plated,solder per MIL-STD-750, Method 2026 guaranteed
- ◊ High temperature soldering guaranteed: 250°C/10s
- ◊ Mounting position: Any
- ◊ Weight : 0.006 gram (approximately)

Dimensions	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
A	2.40	2.60	0.095	0.102
B	1.10	1.30	0.043	0.051
C	0.70	0.90	0.027	0.035
D	Typ.	0.50	Typ.	0.020
E	Typ.	1.00	Typ.	0.040

Ordering Information

Part No.	Package	Packing
TESDLxxx RW	1005	4Kpcs / 7" Reel

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Maximum Ratings

Type Number	Symbol	Value	Units
Maximum Power Dissipation	P _D	200	mW
Thermal Resistance (Junction to Ambient) (Note 1)	R _{θJA}	500	°C/W
Junction and Storage Temperature Range	T _J , T _{STG}	-55 to + 150	°C

Electrical Characteristics

Type Number	Symbol	Min	Max	Units
TESDL5V0	V _(BR)	5.1	7	V
Reverse Breakdown Voltag TESDL12V I _R = 1mA		13	17	
TESDL24V		25	28	
TESDL5V0 V _R = 5V	I _R			uA
Reverse Leakage Current TESDL12V V _R = 12V		0.1	2	
TESDL24V V _R = 24V				
TESDL5V0 I _{PP} = 5A	V _c	-	15	V
Clamping Voltage TESDL12V I _{PP} = 1A		-	25	
TESDL24V I _{PP} = 1A		-	47	
TESDL5V0	P _{PP}	-	75	W
Peak Pulse Power TESDL12V T _p =8/20us		-	25	
TESDL24V		-	7	
TESDL5V0	C _J	15	20	pF
Junction Capacitance TESDL12V V _R =0.5V, f=1.0MHz		12	-	
TESDL24V		10	-	

Notes:1. Valid provided that electrodes are kept at ambient temperature

Small Signal Diode

Rating and Shacteristic Curves

