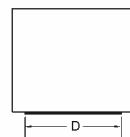
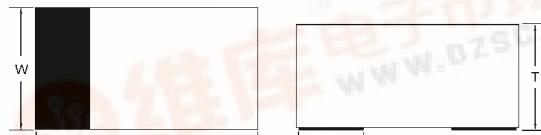


TSS70U 0.2Amp Surface Mount Schottky Barrier Diode

0603



ITEM	0603
L	0.071(1.80) 0.063(1.60)
W	0.039(1.00) 0.031(0.80)
T	0.033(0.85) 0.027(0.70)
C	0.018(0.45) Typical
D	0.028(0.70) Typical

Dimensions in inches and (millimeters)

Maximum Ratings and Electrical characteristics

Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	Symbol	0603	Units
Repetitive Peak Reverse Voltage	V _{RRM}	70	V
DC Reverse Voltage	V _R	70	V
RMS Reverse Voltage	V _{R(RMS)}	49	V
Average Forward Current	I _O	70	mA
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}	100	mA
Power Dissipation	P _d	150	mW
Forward Voltage IF=1mA IF=15mA	V _F	0.41 1.0	V
Reverse Leakage Current VR=25V	I _R	0.1	uA
Typical capacitance between terminals VR=0V, f =1.0MHz reverse voltage	C _J	2	pF
Reverse Recovery Time (IF=IR=10mA, Irr=0.1 x IR, RL=100Ω)	T _{rr}	5	nS
Junction Temperature	T _J	-65 to + 125	°C
Storage Temperature	T _{STG}	-65 to + 125	°C

RATINGS AND CHARACTERISTIC CURVES(TSS70U)

Fig. 1 - Forward characteristics

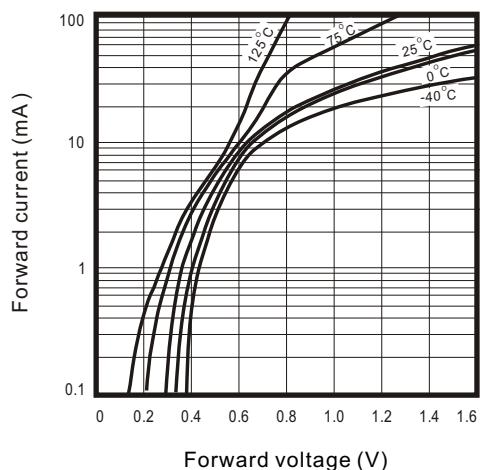


Fig. 2 - Reverse characteristics

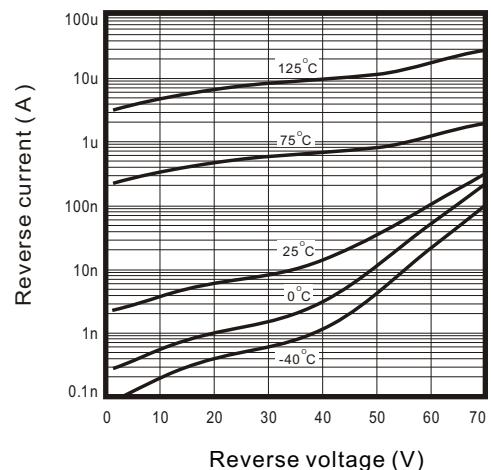


Fig.3 - Capacitance between terminals characteristics

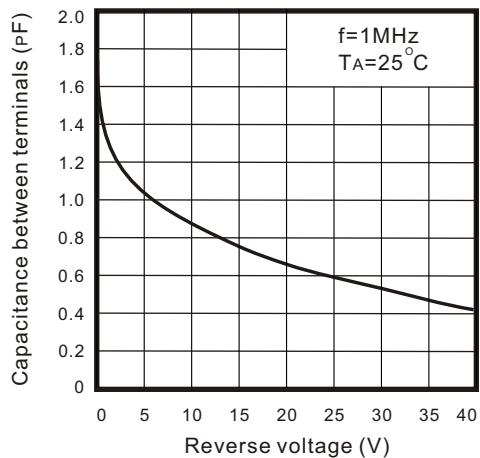


Fig.4 - Current derating curve

