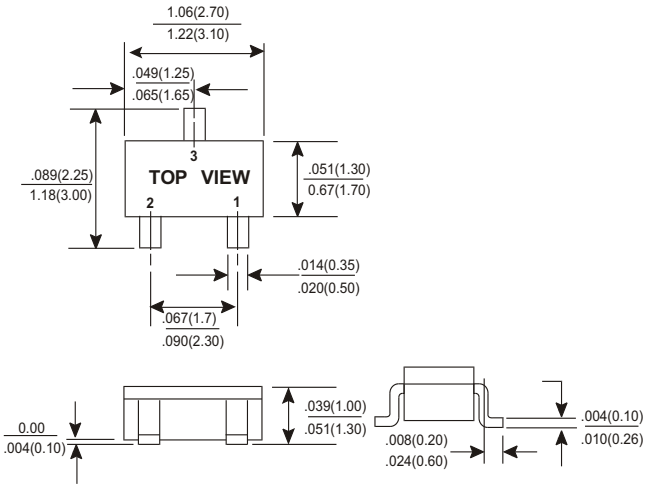
PSD400 thru PSD411

SURFACE MOUNT SCHOTTKY BARRIER DIODES

SCHOTTKY BARRIER RECTIFIERS 0.5A MPERES 20～40 VOLTS

SC-59



FEATURES

- Low Turn-on Voltage
- Fast Switching
- PN Junction Guard Ring for Transient and ESD Protection

MECHANICAL DATA

Case：SOT-346/SC-59 Molded Plastic
Terminals：Solderable per MIL-STD-202, Method 208
Polarity：See Diagrams Below
Weight：0.008gram (approx)
Mounting Position：Any

MAXIMUM RATIXGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified
Single phase, half wave, 60Hz, resistive or inductive load
For capacitive load, derate current by 20%

TYPE NUMBER	PSD411	PSD400	UNITS
Maximum Recurrent Peak Reverse Voltage	20	40	Volts
Maximum RMS Voltage	14	28	Volts
Maximum DC Blocking Voltage	20	40	Volts
Maximum Average Forward Rectified Current	0.5		A
Peak Forward Surge Current 8.3mm Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	3.0		A
Maximum Instantaneous Forward Voltage at 0.5A	0.45	0.53	V
Maximum DC Reverse Current T_A=25°C at Rated DC Blocking Voltage T_A=100°C	0.1 4.0		mA
Operating Temperature Range T_J	-25 to +125		°C
Storage Temperature Range T_{STG}	-50 to +125		°C

SURFACE MOUNT SCHOTTKY BARRIER DIODES

RATING AND CHARACTERISTICS CURVES PSD400 THRU PSD411

FIG.1-TYPICAL FORWARD CHARACTERISTICS

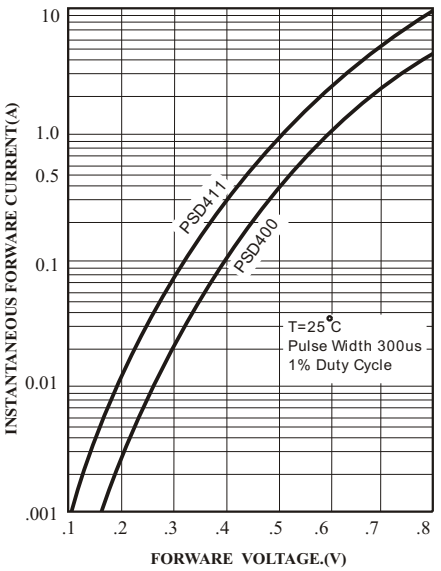


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

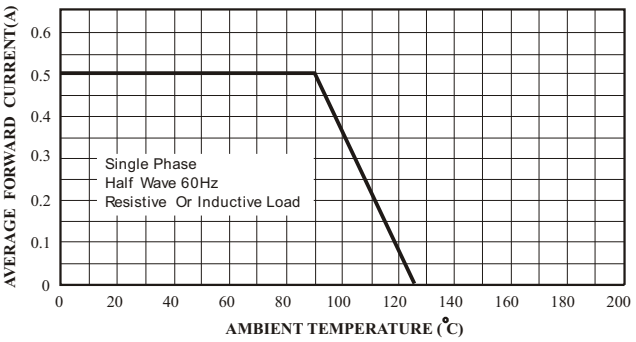


FIG.3-TYPICAL REVERSE CHARACTERISTICS

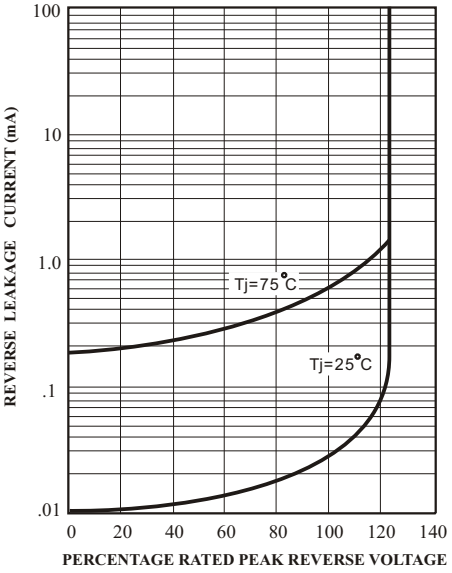


FIG .4 -TYPICAL JUNCTION CAPACITANCE