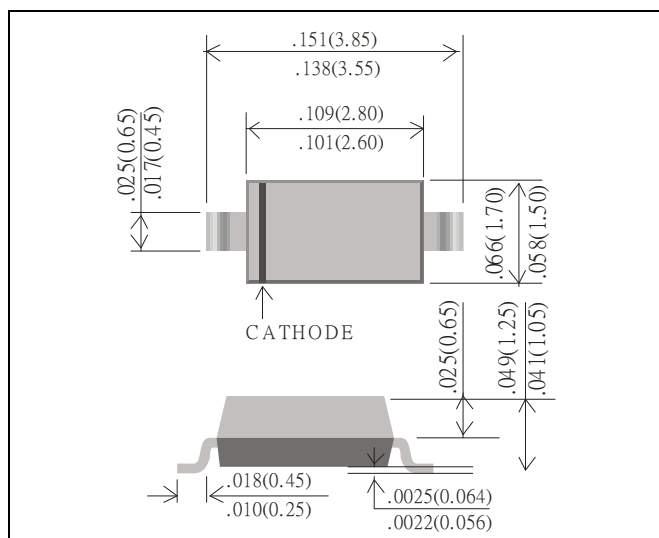


1.0A SURFACE MOUNT SCHOTTKY BARRIER



CASE : SOD-123

DIMENSIONS IN INCHES AND (MILLIMETERS)

FEATURES

- FAST SWITCHING SPEED
- HIGH CONDUCTOR
- SURFACE MOUNT PACKAGE IDEALLY SUITED FOR AUTOMATIC INSERTION
- ELECTRICAL IDENTICAL STANDARD JEDEC
- BOTH PB FREE AND HALOGEN FREE ARE AVAILABLE

MECHANICAL DATA

- CASE : SOD-123, PLASTIC
- TERMINALS : SOLDERABLE PER MIL-STD-202, METHOD208

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED.					
PARAMETER		SYMBOL	SSH1060G	UNITS	
DC BLOCKING VOLTAGE		V _R	60	V	
RMS REVERSE VOLTAGE		V _{RMS}	42	V	
PEAK REPETITIVE PEAK REVERSE VOLTAGE		V _{RRM}	60	V	
Non-REPETITIVE REVERSE VOLTAGE		V _{RM}	60	V	
RECTIFIED CURRENT(AVERAGE),HALF WAVE RECTIFICATION WITH RESISTIVE LOAD AND f>=60Hz		I _O	1.0	A	
NON-REPETITIVE PEAK FORWARD CURRENT T=1.0 μ s		I _{FSM}	30	A	
REPETITIVE PEAK FORWARD CURRENT		I _{FRM}	2.65	A	
THERMAL RESISTANCE		R θJA	500	K/W	
		R θJC	250		
OPERATING JUNCTION TEMPERATURE		T _J	-65~ +150	°C	
STORAGE TEMPERATURE		T _{STG}	-65~ +150	°C	
ELECTRICAL CHARACTERISTICS (AT T _A =25°C UNLESS OTHERWISE NOTED)					
PARAMETER		SYMBOL	TYP.	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE	I _F =1A, T _J =25°C	V _F	0.5	0.55	V
MAXIMUM DC REVERSE CURRENT	V _R =60V, T _J =25°C	I _R	0.04	0.1	mA
DIODE CAPACITANCE	V _R =4V,f=1 MHZ	C _D		100	pF

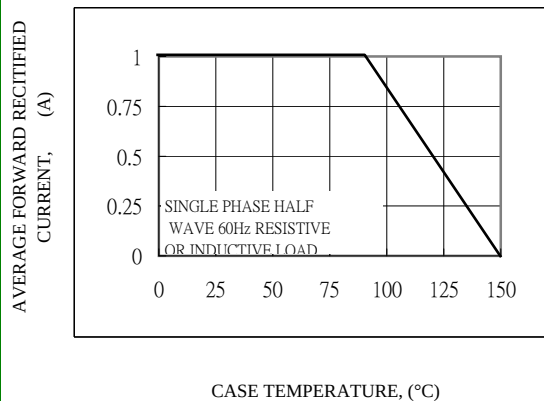


Fig.1-FORWARD CURRENT DERATING CURVE

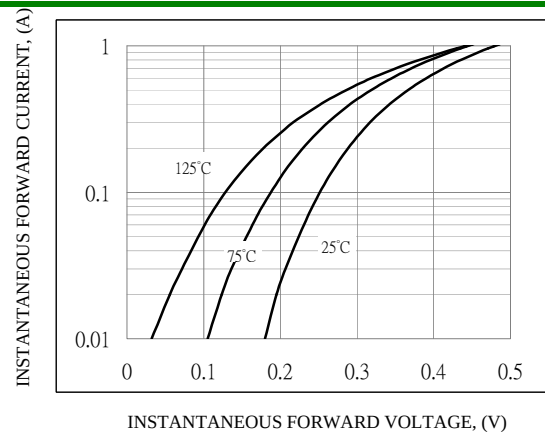


Fig.2- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

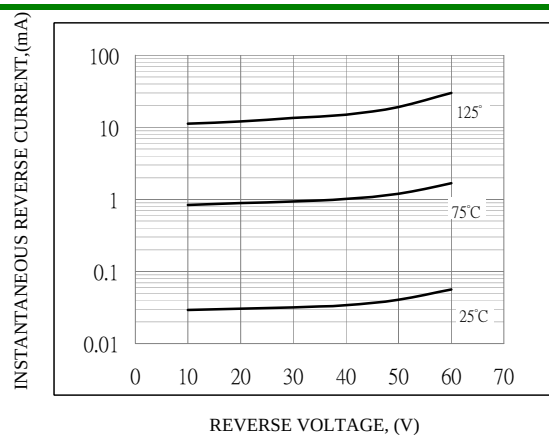


Fig.3-TYPICAL REVERSE CHARACTERISTICS

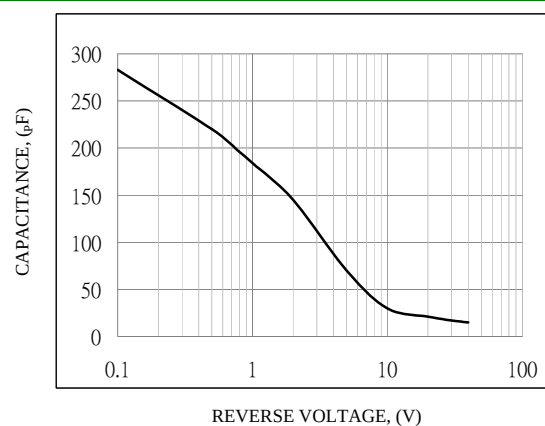


Fig.4-TYPICAL JUNCTION CHARACTERISTIC