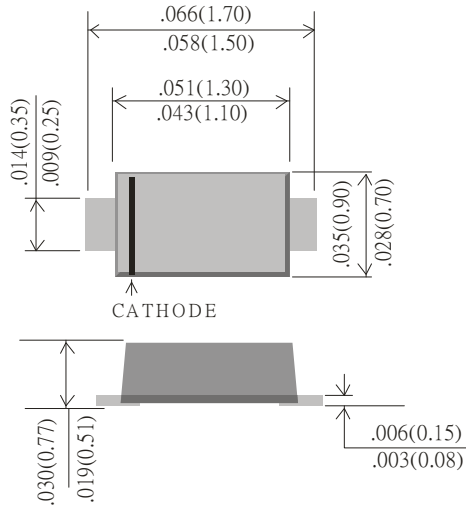


200mW SURFACE MOUNT SCHOTTKY BARRIER



CASE : SOD-523

DIMENSIONS IN INCHES AND (MILLIMETERS)

FEATURES

- FAST SWITCHING SPEED
- ELECTRICALLY IDENTICAL TO STANDARD JEDEC
- HIGH CONDUCTANCE
- SURFACE MOUNT PACKAGE IDEALLY SUITED FOR AUTOMATIC INSERTION
- HALOGEN FREE ARE AVAILABLE

MECHANICAL DATA

- CASE : SOD-523 PLASTIC CASE
- TERMINALS : SOLDERABLE PER MIL-STD-202, METHOD208

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED.

PARAMETER	SYMBOL	RB520S-30G	UNITS
REVERSE VOLTAGE	V_R	30	V
REPETITIVE PEAK REVERSE VOLTAGE	V_{RRM}		
PEAK FORWARD SURGE CURRENT	I_{FSM}	1.0	A
FORWARD CURRENT	I_F	200	mA
POWER DISSIPATION	P_D	200	mW
TYPICAL THERMAL RESISTANCE	$R_{\theta JA}$	500	°C/W
	$R_{\theta JC}$	215	
OPERATING AND STORAGE TEMPERATURE	T_j, T_{STG}	-65 TO +150	°C

ELECTRICAL CHARACTERISTICS (AT $T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)

PARAMETER	SYMBOL	RB520S-30G	UNITS
MAXIMUM FORWARD VOLTAGE	V_F	0.6	V
MAXIMUM REVERSE CURRENT	I_R	1.0	μA

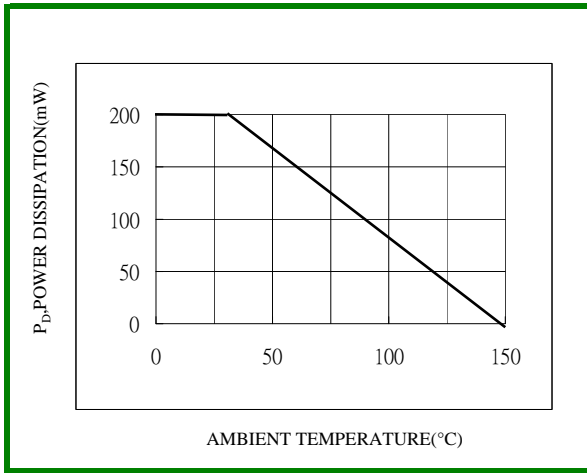


Fig.1-POWER DERATING CURVE

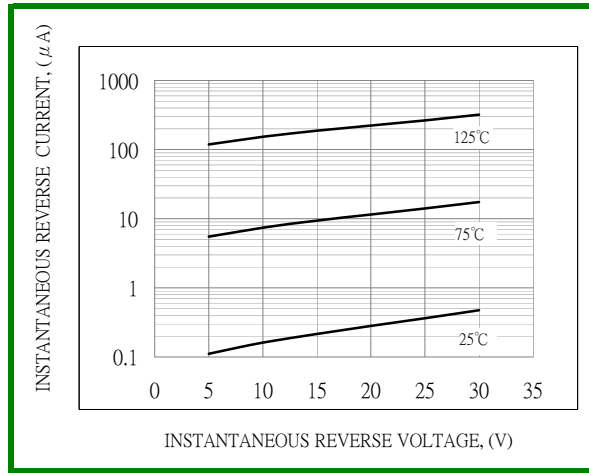


Fig.2 - TYPICAL REVERSE CHARACTERISTICS

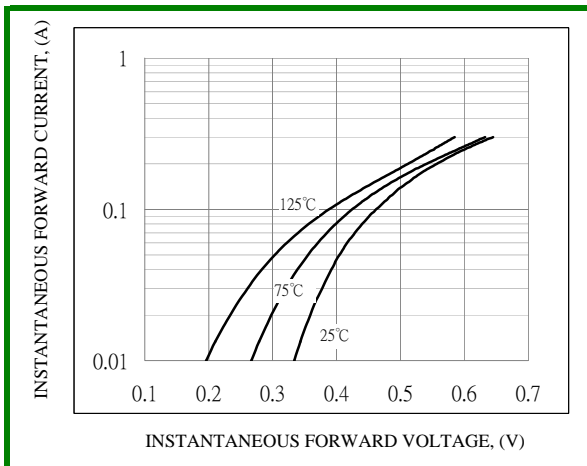


Fig.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

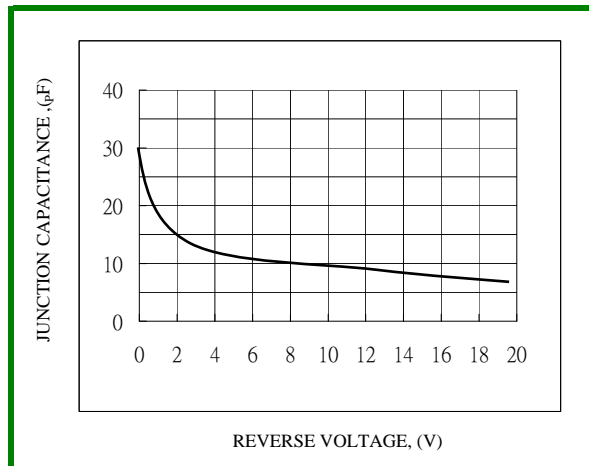


Fig.4-TYPICAL JUNCTION CAPACITANCE