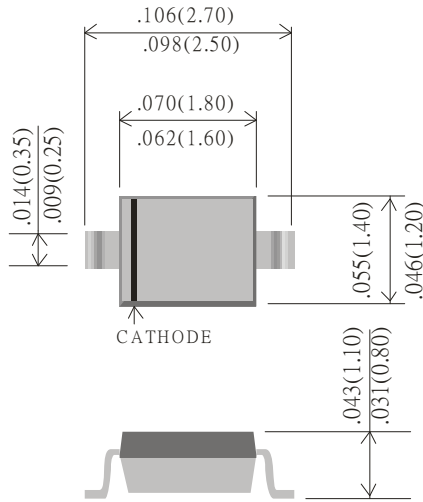


300mW SURFACE MOUNT SCHOTTKY BARRIER



CASE : SOD-323

DIMENSIONS IN INCHES AND (MILLIMETERS)

FEATURES

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

MECHANICAL DATA

- CASE : SOD-323 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	RB751V-40G	UNITS
REVERSE VOLTAGE	V_R	30	V
REPETITIVE PEAK REVERSE VOLTAGE	V_{RRM}	40	
PEAK FORWARD SURGE CURRENT	I_{FSM}	0.2	A
FORWARD CURRENT	I_F	200	mA
POWER DISSIPATION	P_D	300	mW
TYPICAL THERMAL RESISTANCE	$R_{\theta JA}$	600	°C/W
	$R_{\theta JC}$	200	
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	RB751V-40G	UNITS
MAXIMUM FORWARD VOLTAGE	V_F	0.37	V
MAXIMUM REVERSE CURRENT	I_R	0.5	μA
TYPICAL CAPACITANCE	C_j	2	pF

