

SCHOTTKY DIODES

FEATURES

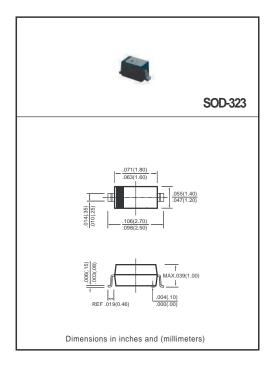
- * High current rectifier Schottky diode
- * Low voltage, low inductance
- * For power supply

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any * Weight: 0.004 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings 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%.



MAXIMUM RATINGS (@T_A=25°C unless otherwise noted)

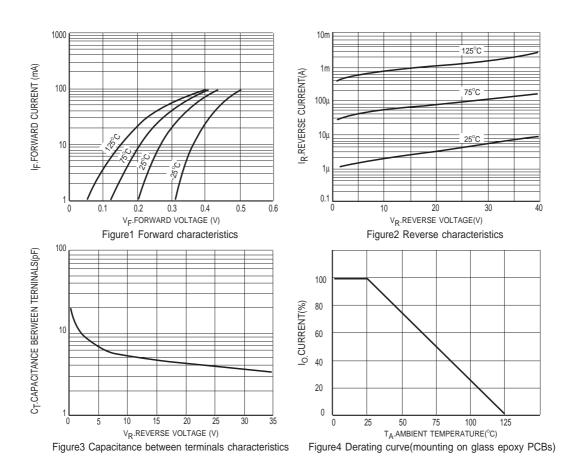
RATINGS	SYMBOL	RB501V-40	UNITS
Maximum Peak reverse voltage	V _{RM}	45	Volts
Maximum DC reverse voltage	VR	40	Volts
Maximum Peak Forward Surge Current	I _{FSM}	1	Amps
Mean rectifying current	lo	0.1	Amps
Operating and Storage Temperature Range	T _J ,T _{STG}	-55 to + 125	°C

ELECTRICAL CHARACTERISTICS (@ TA = 25° C unless otherwise noted)

CHARACTERISTICS		SYMBOL	MIN.	TYP.	MAX.	UNITS
Reverse voltage leakage current	(V _R =10V)	I _R	-	-	30	μΑ
Forward voltage	(I _F =100mA)	V _F	-	-	0.55	V
	(I _F =10mA)		-	-	0.34	
Diode Capacitance	(V _R =10V,f=1MHz)	C _T	-	6	-	pF

2006-3

RATING AND CHARACTERISTICS CURVES (RB501V-40)



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