

SMALL SIGNAL DIODE

VOLTAGE RANGE 30 Volts CURRENT 500 mAmperes

FEATURES

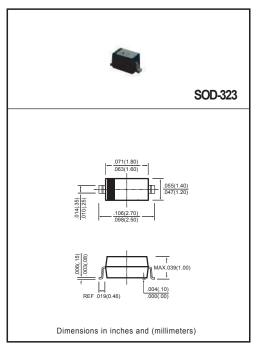
- * High current rectifier Schottky diode
- * Low voltage ,low inductance
- * For power supply

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%.



$\textbf{MAXIMUM RATINGS} \; (@T_A = 25^{\circ}C \; unless \; otherwise \; noted)$

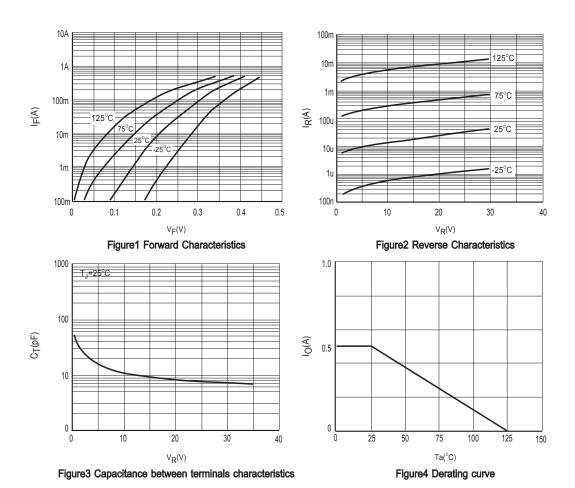
MAXIMUM RATINGO (@1A-25 o dilicas otherwise noted)			
RATINGS	SYMBOL	RB551V-30	UNITS
Non-Repetitive Peak Reverse Voltage	V _{RM}	30	Volts
Maximum DC Reverse Voltage	VR	20	Volts
Maximum Average Forward Rectified Current	Io	0.5	Amps
Non-Repetitive Peak Forward Surge Current	I _{FSM}	2	Amps
Operating and Storage Temperature Range	T _J ,T _{STG}	-40~+125	°C

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

PARAMETER	CONDITIONS	SYMBOL	RB551V-30	UNITS
Maximum Instantaneous Forward Voltage	@IF=100mA	VF	0.36	Volts
	@IF=500mA		0.47	
Maximum Instantancous Reverse Current	@VR=20V	IR	100	uA

VC 2006-3

RATING AND CHARACTERISTICS CURVES (RB551V-30)



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