



SCHOTTKY DIODES

FEATURES

- * Low Forward Voltage Drop
- * Guard Ring Construction for Transient Protection
- * Negligible Reverse Recovery Time

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed

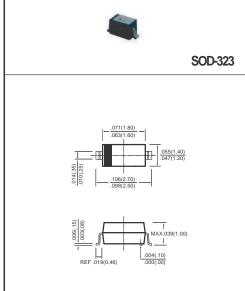
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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%.

- * Mounting position: Any
- * Weight: 0.004 grams



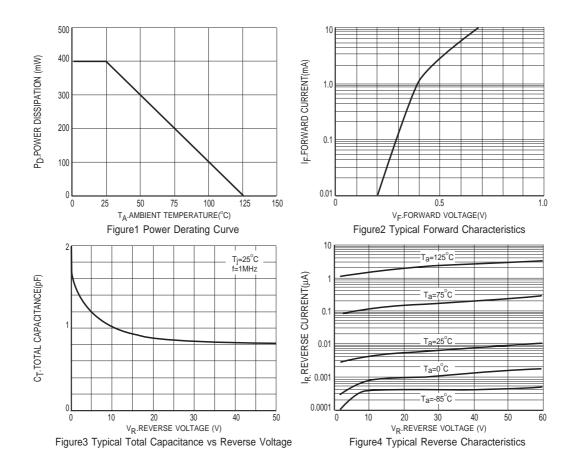
Dimensions in inches and (millimeters)

MAXIMUM RATINGS ($@T_A=25^{\circ}C$ unless otherwise noted)			
RATINGS	SYMBOL	SD101AWS	UNITS
Peak Repetitive Peak reverse voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RMR} V _{RWR} V _R	60	Volts
RMS Reverse Voltage	V _{R(RMS)}	42	Volts
Maximum Forward Comtinuous Current	I _{FM}	15	mAmps
Non-Repetitive Peak Forward Surge Current $\begin{array}{c} @t < 1.0S\\ @t = 10 \mu S \end{array}$	IFSM	50 2.0	mAmps Amps
Maximum Power Dissipation	PD	200	mW
Thermal Resistance junction to ambient	Reja	300	°C/W
Operating and Storage Temperature Range	T _J ,T _{STG}	-65 to + 125	°C

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

CHARACTERISTICS		SYMBOL	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage	(IR=10µA)	V(BR)R	60	-	-	V
Reverse voltage leakage current	(V _R =50V)	I _R	-	-	0.2	μΑ
Forward voltage	(I _F =1.0mA) (I _F =15mA)	VF	-	-	0.41 1.00	v
Capacitance between terminals	(V _R =0V,f=1MHz)	CT	-	-	2.0	pF
Reverse Recovery Time	$(I_F=I_R=5mA, R_L=$ 100 Ω , $I_{rr}=0.1xI_R)$	t _{rr}	-	-	1.0	ns





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