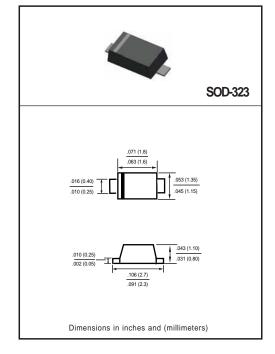


FAST SWITCHING DIODE

VOLTAGE 80 Volts CURRENT 150 mAmperes

FEATURES

- * Flat Lead SOD-323 Small Outline Plastic Package
- * Surface Device Type Mounting
- * Fast Switching Device (Trr<4.0nS)
- * Moisture Sensitivity Level 1
- * General Purpose Diodes
- * Clip Bonding Construction, Good Thermal Capability
- * Pb Free Version and ROHS Compliant
- * Matte Tin(Sn) Lead Finish with Nicke(Ni) Underplate
- * Band Indicates Cathode



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%.

Absolute Maximum Ratings (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	1SS355	
Reverse Voltage	V _R	80	
Repetitive Peak Reverse Voltage	V _{RM}	90	Volts
Continuous Forward Current	I _O	150	mAmps
Forward Current	I _{FM}	0.25	Amps
Repetitive Peak Forward Current	I _{FRM}	0.5	Amps
Power Dissipation	P _D	200	mW
Operating Junction Temperature	TJ	+150	°C
Storage Temperature Range	T _{STG}	-65 to + 150	°C

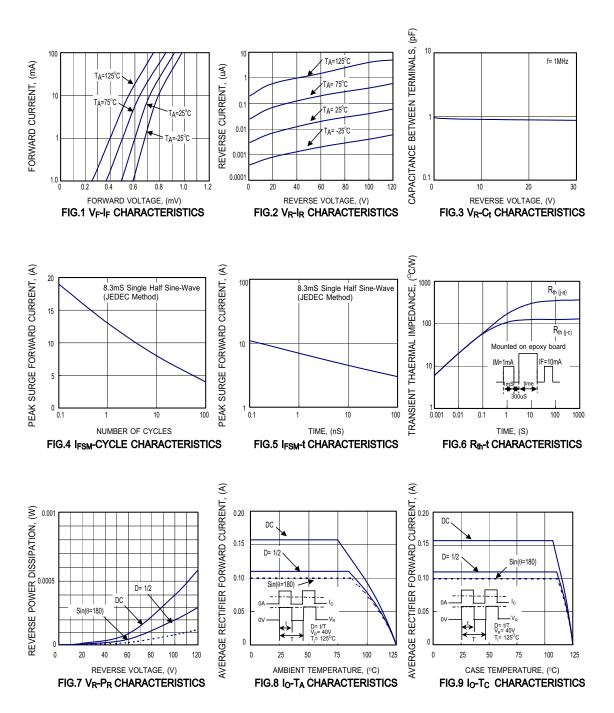
These ratings are limiting values above which the serviceability of the diode may be impaired.

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

CHARACTERISTICS		CVMPOL	1SS355		OTHALL
		SYMBOL	Min.	Max.	UNITS
Forward Voltage	@IF=100mA	VF		1.2	Volts
Reverse Leakage Current	@ VR=80V	IR		100	nAmps
Breakdown Voltage	@IR=100uA	VR	80		Volts
Reverse Recovery Time (I _F =10mA,V _R =6V,R _L =100W)		Trr		4	nS
Capacitance (V _R =0.5V,f=1MHz)		С		4	pF

VB 2007-9

RATING AND CHARACTERISTICS CURVES (1SS355)



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