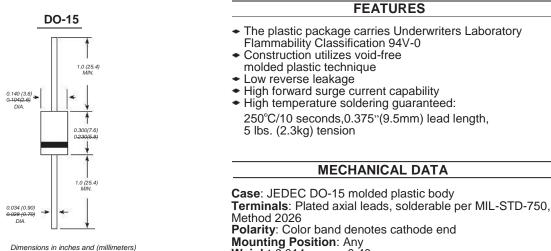


1N5391 THRU 1N5399

GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.5Amperes



Weight: 0.014 ounce, 0.40 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

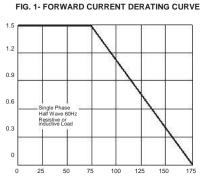
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load for capacitive load current derate by 20%.

	SYMBOLS	1N 5391	1N 5392	1N 5393	1N 5394	1N 5395	1N 5396	1N 5397	1N 5398	1N 5399	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	300	400	500	600	800	1000	VOLTS
Maximum RMS voltage	VRMS	35	70	140	210	280	350	420	560	700	VOLTS
Maximum DC blocking voltage	VDC	50	100	200	300	400	500	600	800	1000	VOLTS
Maximum average forward rectified current 0.375"(9.5mm) lead length at Ta=75℃	l (AV)	1.5								Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50.0								Amps	
Maximum instantaneous forward voltage at 1.5A	V	1.4								Volts	
Maximum DC reverse currentTa=25℃at rated DC blocking voltageTa=100℃	F IR	5.0 50.0							mA		
Typical junction capacitance (NOTE 1)	CJ	20.0								pF	
Typical thermal resistance (NOTE 2)	RqJA	50.0								°C/W	
Operating junction and storage temperature range	TJ,T	-65 to +175								°C	

STG Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

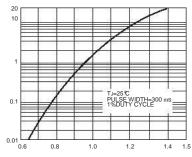
2.Thermal resistance from junction to ambient at 0.375" (9.5mm)lead length, P.C.B. mounted

RATINGS AND CHARACTERISTIC CURVES 1N5391 THRU 1N5399



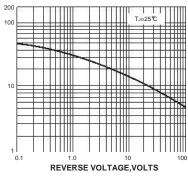
AMBIENT TEMPERATURE, C





INSTANTANEOUS FORWARD VOLEAGE, VOLTS





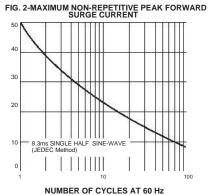
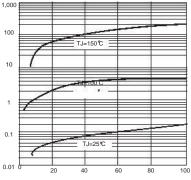
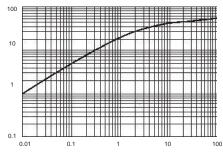


FIG. 4-TYPICAL REVERSE CHARACTERISTICS



PERCENT OF PEAK REVERSE VOLTAGE,%

FIG. 6-TYPICAL TRANSIENT THERMAL IMPEDANCE



t,PULSE DURATION,sec.