

FAST RECOVERY RECTIFIER

VOLTAGE RANGE 200 to 1000 Volts CURRENT 1.0 Ampere

FEATURES

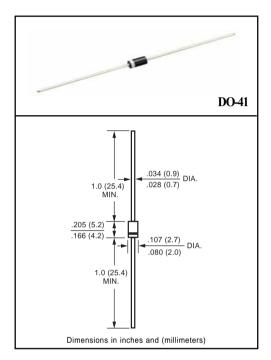
- * High switching capability
- * Low leakage
- * Low forward voltage drop
- * High current capability
- * High surge current capability

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: Device has UL flammability classification 94V-O
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.33 gram

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 (At TA = 25°C unless otherwise noted)

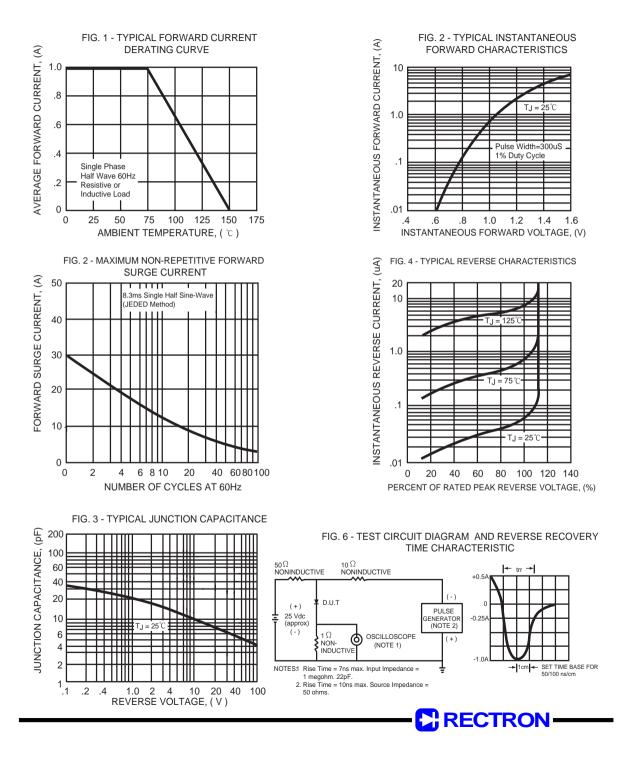
RATINGS	SYMBOL	1N4942	1N4944	1N4946	1N4947	1N4948	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	200	400	600	800	1000	Volts
Maximum RMS Voltage	Vrms	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 75°C	lo		Amps				
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM		Amps				
Typical Junction Capacitance (Note 2)	CJ		pF				
Operating and Storage Temperature Range	TJ, TSTG		°C				

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

CHARACTERISTICS	SYMBOL	1N4942	1N4944	1N4946	1N4947	1N4948	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC	VF	1.3					
Maximum DC Reverse Current at Rated DC Blocking Voltage TA = 25°C		5.0					uAmps
Maximum Full Load Reverse Current Full Cycle Average, .375" (9.5mm) lead length at TL = 55°C	IR IR	100					uAmps
Maximum Reverse Recovery Time (Note 1)	trr	1:	50	2	50	500	nSec

NOTES : 1. Test Conditions: IF = 0.5A, IR = -1.0A, IRR = -0.25A

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Rectifiers category:

Click to view products by Rectron manufacturer:

Other Similar products are found below :

 70HFR40
 RL252-TP
 150KR30A
 1N5397
 NTE5841
 NTE6038
 SCF5000
 1N4002G
 1N4005-TR
 JANS1N6640US
 481235F

 RRE02VS6SGTR
 067907F
 MS306
 70HF40
 T85HFL60S02
 US2JFL-TP
 A1N5404G-G
 CRS04(T5L,TEMQ)
 ACGRA4007-HF

 ACGRB207-HF
 CLH03(TE16L,Q)
 ACGRC307-HF
 ACEFC304-HF
 NTE6356
 NTE6359
 NTE6002
 NTE6023
 NTE6077

 85HFR60
 40HFR60
 70HF120
 85HFR80
 D126A45C
 SCF7500
 D251N08B
 SCHJ22.5K
 SM100
 SCPA2
 SCH10000
 SDHD5K
 VS

 12FL100S10
 ACGRA4001-HF
 D1821SH45T
 PR
 D1251S45T
 NTE6358
 NTE6162
 NTE5850