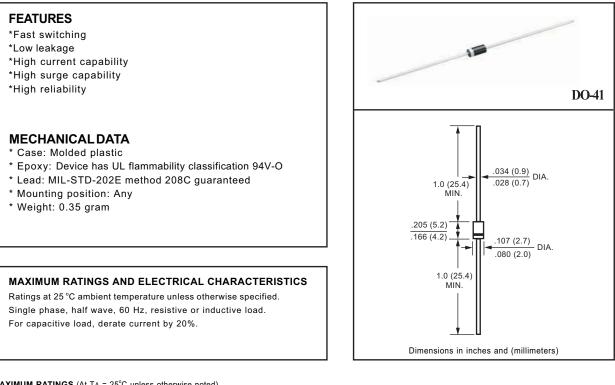


## HIGH VOLTAGE FAST RECOVERY RECTIFIER

### VOLTAGE RANGE 1200 to 2000 Volts CURRENT 0.2 to 0.5 Ampere

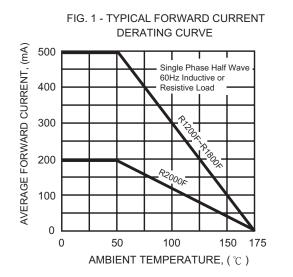


#### MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

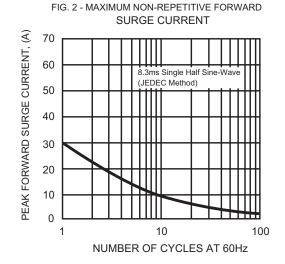
RATINGS	SYMBOL	R1200F	R1500F	R1800F	R2000F	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	1200	1500	1800	2000	Volts
Maximum RMS Volts	Vrms	840	840 1050 1260			Volts
Maximum DC Blocking Voltage	VDC	1200	1500	1800	2000	Volts
Maximum Average Forward Rectified Current at TA = 50°C	lo	500			200	mAmps
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	30			Amps	
Typical Current Squarad Time	l <sup>2</sup> t	3.74			A <sup>2</sup> /Sec	
Operating and Storage Temperature Range	TJ, TSTG	-65 to + 175				° C

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

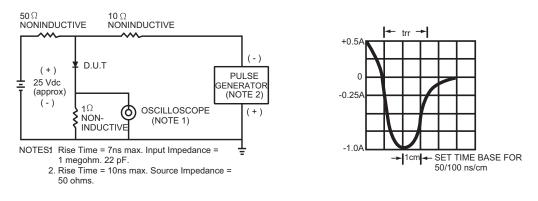
CHARACTERISTICS	SYMBOL	R1200F	R1500F	R1800F	R2000F	UNITS	
Maximum Instantaneous Forward Voltage at 0.5A/0.2A DC	VF	2.5 4.0			Volts		
Maximum DC Reverse Current at Rated DC Blocking Voltage TA = 25°C	IB		uAmps				
Maximum Full Load Reverse Current Average, Full Cycle .375", (9.5mm) lead length at TL = 55°C		100				uAmps	
Maximum Reverse Recovery Time (Note) trr 500						nSec	
NOTES : Test Conditions: IF = 0.5A, IR = -1.0A, IRR = -0.25A							



## RATING AND CHARACTERISTIC CURVES (R1200F THRU R2000F)

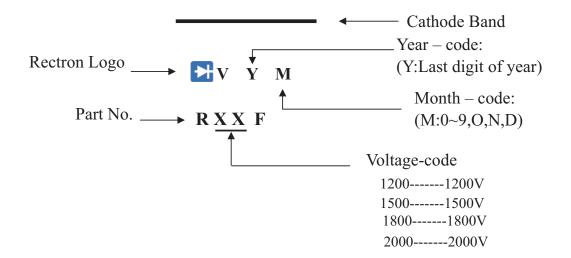


### FIG. 3 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC





## **Marking Description**





## PACKAGING OF DIODE AND BRIDGE RECTIFIERS

### BULK PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-41	-В	1,000	194*75*21	415*220*255	50,000	16.2

### REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-41	-T	5,000	5,000	5.0	52	330	355*350*335	20,000	10.49

### AMMO PACK

PACKAGE	PACKING CODE	REEL ( EA )	COMPONENT SPACE(mm)	TAPE SPACE (mm)	BOX SIZE (mm)	CARTON SIZE(mm)	CARTON (EA)	GROSS WEIGHT (Kg)
DO-41	-F	3,000	5.0	52	255*73*100	400*268*225	30,000	13.0
DO-41	-E	3,000	5.0	26	256*48*94	365*270*217	42,000	12.41



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