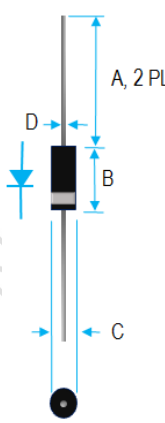


HIGH VOLTAGE FAST RECOVERY RECTIFIER

	<table border="1"> <thead> <tr> <th colspan="3">Value Inch[mm] FV5M-1</th> </tr> <tr> <th>Dim.</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1.06[27.0]</td> <td>---</td> </tr> <tr> <td>B</td> <td>0.24[6.2]</td> <td>0.26[6.8]</td> </tr> <tr> <td>C</td> <td>0.091[2.30]</td> <td>0.106[2.70]</td> </tr> <tr> <td>D</td> <td>0.019[0.47]</td> <td>0.021[0.53]</td> </tr> </tbody> </table>			Value Inch[mm] FV5M-1			Dim.	Min.	Max.	A	1.06[27.0]	---	B	0.24[6.2]	0.26[6.8]	C	0.091[2.30]	0.106[2.70]	D	0.019[0.47]	0.021[0.53]
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FV5M-1: -04 THRU -08 FV5M-2: -10 THRU -12	<table border="1"> <thead> <tr> <th colspan="3">Value Inch[mm] FV5M-2</th> </tr> <tr> <th>Dim.</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1.06[27.0]</td> <td>---</td> </tr> <tr> <td>B</td> <td>0.38[9.7]</td> <td>0.40[10.3]</td> </tr> <tr> <td>C</td> <td>0.091[2.30]</td> <td>0.106[2.70]</td> </tr> <tr> <td>D</td> <td>0.019[0.47]</td> <td>0.021[0.53]</td> </tr> </tbody> </table>			Value Inch[mm] FV5M-2			Dim.	Min.	Max.	A	1.06[27.0]	---	B	0.38[9.7]	0.40[10.3]	C	0.091[2.30]	0.106[2.70]	D	0.019[0.47]	0.021[0.53]
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PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. DIFFUSED JUNCTION
3. CASE: FV5M-1/FV5M-2 TRANSFER MOLDED
4. DIMENSIONS IN INCHES AND (MILLIMETERS)
5. POLARITY: INDICATED BY CATHODE BAND
6. WEIGHT: FV5M-1: 0.17 GRAMS / FV5M-2: 0.26 GRAMS
7. LEADS: SOLDERABILITY PER MIL-STD-202 METHOD 208
8. RoHS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -40°C TO +120°C. SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%.

RATINGS	SYMBOL	VALUE	UNITS
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT, 0.375"(9.5mm) LEAD LENGTH @ 55°C	I_o	5	mA
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	0.5	A
TYPICAL JUNCTION CAPACITANCE(NOTE 1)	C_j	1	pF
MAXIMUM REVERSE CURRENT @ 25°C	I_R	5	uA
MAXIMUM REVERSE RECOVERY TIME @ 25°C (NOTE 2)	T_{RR}	100	nS

1. MEASURED @ 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 V
2. REVERSE RECOVERY TEST CONDITIONS: $I_F=2mA$, $I_R=4mA$, $I_{RR}=1mA$

PART NUMBER	MAX RECURRENT PK REV VOLTAGE V_{RRM} (V)	MAX RMS VOLTAGE V_{RMS} (V)	MAX DC BLOCKING VOLTAGE V_{DC} (V)	MAX FWD VOLTAGE V_F @ 10mA (V)
FV5M-04	4000	2800	4000	15
FV5M-06	6000	4200	6000	24
FV5M-08	8000	5600	8000	30
FV5M-10	10000	7000	10000	36
FV5M-12	12000	8400	12000	45

RATING AND CHARACTERISTIC CURVES

FIG. 1 TYPICAL REVERSE CHARACTERISTICS

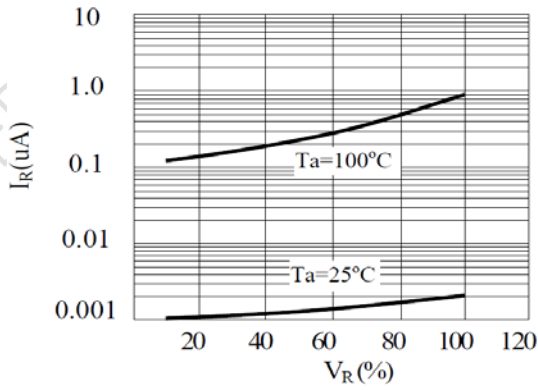


FIG. 2 TYPICAL JUNCTION CAPACITANCE

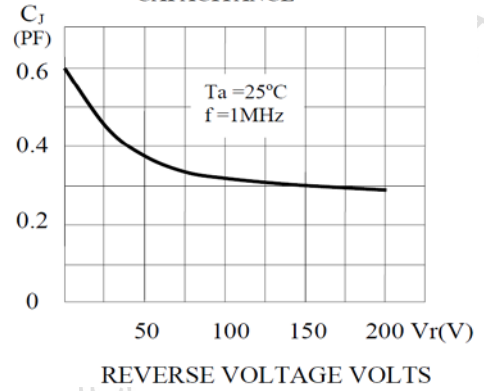


FIG. 3 TYPICAL DISTRIBUTION OF REVERSE RECOVERY TIME

