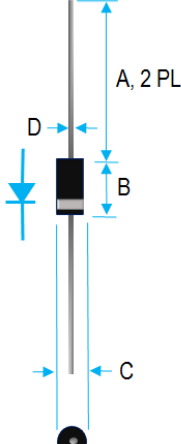


HIGH VOLTAGE FAST RECOVERY RECTIFIER

 <table border="1" data-bbox="324 420 730 588"> <thead> <tr> <th rowspan="2">Dim.</th> <th colspan="2">Value Inch[mm]</th> </tr> <tr> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1.030[26.16]</td> <td>---</td> </tr> <tr> <td>B</td> <td>0.380[9.65]</td> <td>0.400[10.16]</td> </tr> <tr> <td>C</td> <td>0.091[2.30]</td> <td>0.106[2.70]</td> </tr> <tr> <td>D</td> <td>0.020[0.51]</td> <td>0.030[0.76]</td> </tr> </tbody> </table>	Dim.	Value Inch[mm]		Min.	Max.	A	1.030[26.16]	---	B	0.380[9.65]	0.400[10.16]	C	0.091[2.30]	0.106[2.70]	D	0.020[0.51]	0.030[0.76]	<h3>PRODUCT FEATURES</h3> <ol style="list-style-type: none"> 1. FLAMMABILITY CLASSIFICATION: 94V-0 2. DIFFUSED JUNCTION 3. CASE: FV5M-2 TRANSFER MOLDED 4. DIMENSIONS IN INCHES AND (MILLIMETERS) 5. POLARITY: INDICATED BY CATHODE BAND 6. WEIGHT: FV5M 0.26 GRAMS 7. LEADS: SOLDERABILITY PER MIL-STD-202 METHOD 208 8. RoHS
Dim.		Value Inch[mm]																
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A	1.030[26.16]	---																
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D	0.020[0.51]	0.030[0.76]																

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	0.005	A
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 FORWARD VOLTAGE	V_F	36	V
MAXIMUM REVERSE CURRENT @ 25°C	I_R	5	uA
MAXIMUM REVERSE RECOVERY TIME (NOTE 2)	T_{RR}	100	nS

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

PART NUMBER	MAX RECURRENT PK REV VOLTAGE V_{RRM} (V)	MAX RMS VOLTAGE V_{RMS} (V)	MAX DC BLOCKING VOLTAGE V_{DC} (V)
FV5MS-10	10000	7000	10000

RATING AND CHARACTERISTIC CURVES

FIG. 1 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

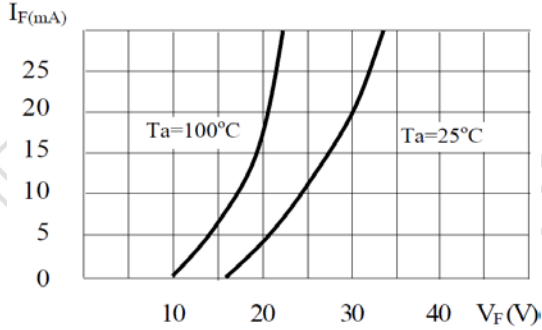


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

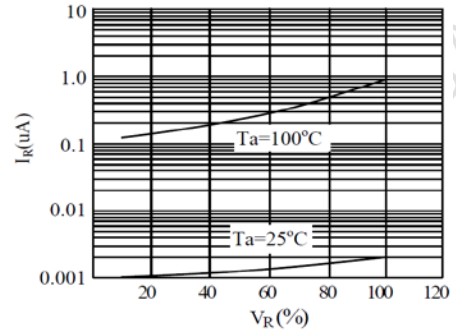


FIG. 3 TYPICAL JUNCTION CAPACITANCE

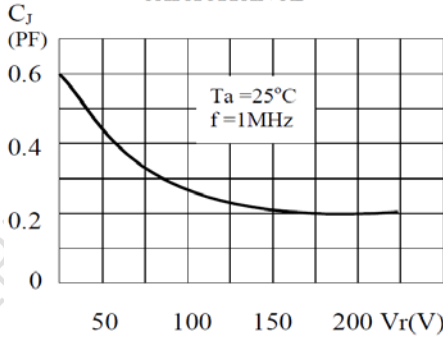


FIG. 4 TYPICAL DISTRIBUTION OF AVALANCHE

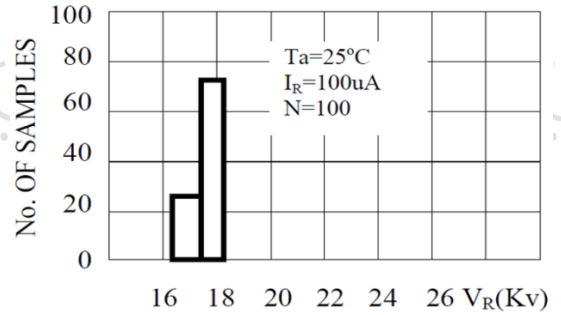


FIG. 5 TYPICAL DISTRIBUTION OF REVERSE RECOVERY TIME

