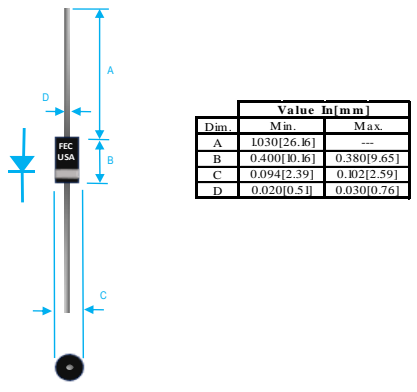


HIGH VOLTAGE FAST RECOVERY RECTIFIER

 <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Dim.</th> <th colspan="2">Value in [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>0.400[10.16]</td> <td>0.380[9.65]</td> </tr> <tr> <td>C</td> <td>0.094[2.39]</td> <td>0.102[2.59]</td> </tr> <tr> <td>D</td> <td>0.020[0.51]</td> <td>0.030[0.76]</td> </tr> </tbody> </table>	Dim.	Value in [mm]		Min.	Max.	A	1.030[26.16]	—	B	0.400[10.16]	0.380[9.65]	C	0.094[2.39]	0.102[2.59]	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. TERMINALS : PER MIL-STD-202, METHOD 208 8. ROHS
Dim.		Value in [mm]																
	Min.	Max.																
A	1.030[26.16]	—																
B	0.400[10.16]	0.380[9.65]																
C	0.094[2.39]	0.102[2.59]																
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 -55°C TO + 150°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	IO	0.005	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	IFSM	0.5	A
TYPICAL JUNCTION CAPACITANCE(NOTE 1)	CJ	1	pF
MAXIMUM FORWARD VOLTAGE	VF	36	V
MAXIMUM REVERSE CURRENT @ 25°C	IR	5	uA
MAXIMUM REVERSE RECOVERY TIME (NOTE 2)	TRR	100	nS

1. MEASURED @ 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 V
2. REVERSE RECOVERY TEST CONDITIONS: IF=2mA, IR=4mA, IRR=1mA
3. MAXIMUM FORWARD VOLTAGE AT Io DC

PART NUMBER	MAX RECURRENT PK REV VOLTAGE VRRM (V)	MAX RMS VOLTAGE VRMS (V)	MAX DC BLOCKING VOLTAGE VDC (V)
FV5MS-10	10000	7000	10000

RATING AND CHARACTERISTIC CURVES

FIG. 1 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

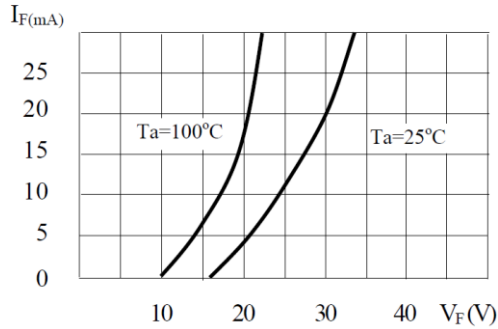


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

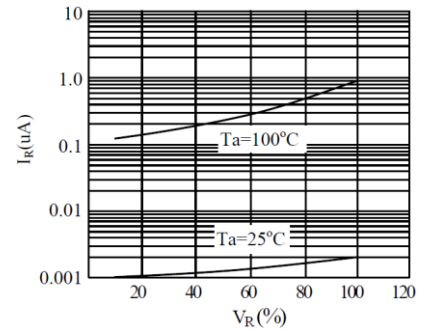


FIG. 3 TYPICAL JUNCTION CAPACITANCE

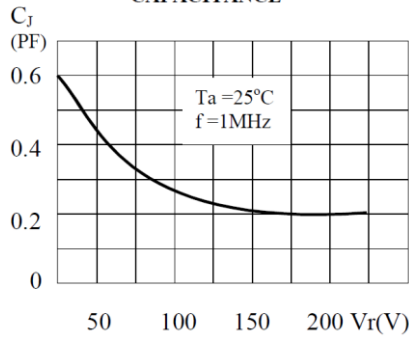


FIG. 4 TYPICAL DISTRIBUTION OF AVALANCHE

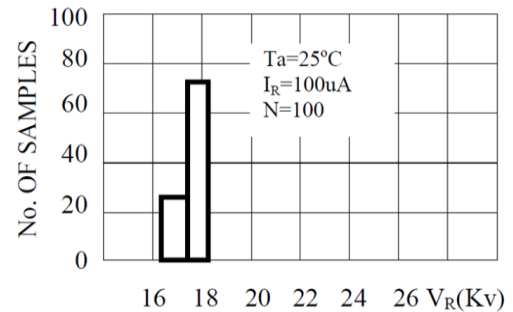


FIG. 5 TYPICAL DISTRIBUTION OF REVERSE RECOVERY TIME

