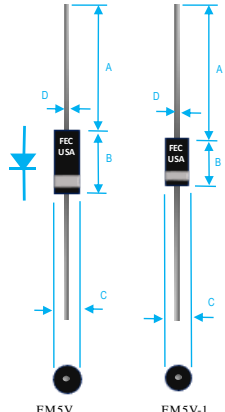


## HIGH VOLTAGE FAST RECOVERY RECTIFIER



Value In[mm] FV5M-1		
Dim.	Min.	Max.
A	1.060[26.92]	---
B	0.240[6.10]	0.260[6.60]
C	0.094[2.39]	0.102[2.59]
D	0.020[0.51]	0.030[0.76]

Value In[mm] FV5M-4		
Dim.	Min.	Max.
A	0.945[24.00]	---
B	0.463[11.76]	0.482[12.24]
C	0.108[2.74]	0.128[3.25]
D	0.024[0.61]	0.035[0.89]

### PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. DIFFUSED JUNCTION
3. CASE: TRANSFER MOLDED FV5M/FV5M-1
4. DIMENSIONS IN INCHES AND (MILLIMETERS)
5. POLARITY: INDICATED BY CATHODE BAND
6. WEIGHT : FV5M 0.35 GRAMS / FV5M-1 0.17 GRAMS
7. TERMINALS : 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 -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	5	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	IFSM	0.5	A
TYPICAL JUNCTION CAPACITANCE(NOTE1)	CJ	1	pF
MAXIMUM REVERSE CURRENT @ 25°C	IR	5	uA
MAXIMUM REVERSE RECOVERY TIME	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 AVERAGE FORWARD RECTIFIED CURRENT 0.375"(9.5mm) LEAD LENGTH @ TA=55°C
4. 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)	MAXIMUM FORWARD VOLTAGE VF (V)
FV5M-04	4000	2800	4000	12
FV5M-05	5000	3500	5000	16
FV5M-06	6000	4200	6000	20
FV5M-08	8000	5600	8000	25
FV5M-10	10000	7000	10000	30
FV5M-12	12000	8400	12000	37.5
FV5M-14	14000	9800	14000	42.5
FV5M-16	16000	11200	16000	50
FV5M-18	18000	12600	18000	55
FV5M-20	20000	14000	20000	62.5
FV5M-22	22000	15400	22000	62.5
FV5M-24	24000	16800	24000	75