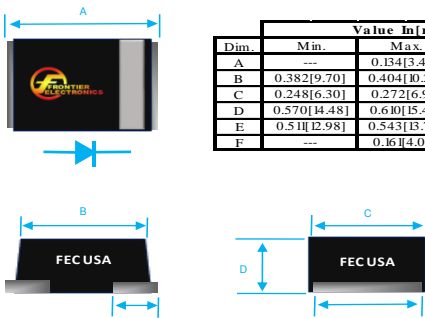


1A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS



Dim.	Value In[mm]		Typ.
	Min.	Max.	
A	---	0.134[3.40]	---
B	0.382[9.70]	0.404[10.26]	---
C	0.248[6.30]	0.272[6.91]	---
D	0.570[14.48]	0.610[15.49]	---
E	0.511[12.98]	0.543[13.79]	---
F	---	0.161[4.09]	---

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. EXTREMELY LOW VF
3. MAJORITY CARRIER CONDUCTION
4. BUILT-IN STRAIN RELIEF
5. LOW PROFILE
6. CASE: MOLDED PLASTIC, SOD-123
7. DIMENSIONS IN INCHES AND (MILLIMETERS)
8. POLARITY: INDICATED BY CATHODE BAND
9. WEIGHT: 0.04 GRAMS
10. MIL-STD 750 METHOD 2026
11. 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 (SEE FIG.1)	IO	1	A
MAXIMUM OVERLOAD SURGE 8.3ms SINGLE HALF SINE-WAVE	IFSM	30	A
TYPICAL JUNCTION CAPACITANCE (NOTE 1)	CJ	120	pF
MAXIMUM REVERSE CURRENT AT 25°C	IR	1000	uA

1. MEASURED AT 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 V

2. MAXIMUM FORWARD VOLTAGE AT 1.0A AND 25°C

PART NUMBER	MAXIMUM RECURRENT PEAK REVERSE VOLTAGE VRRM (V)	MAXIMUM RMS VOLTAGE VRMS (V)	MAXIMUM DC BLOCKING VOLTAGE VDC (V)	MAXIMUM FORWARD VOLTAGE VF (V)	MARKING
FM102	20	14	20	0.55	12
FM103	30	21	30	0.55	13
FM104	40	28	40	0.55	14
FM105	50	35	50	0.7	15
FM106	60	42	60	0.7	16

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

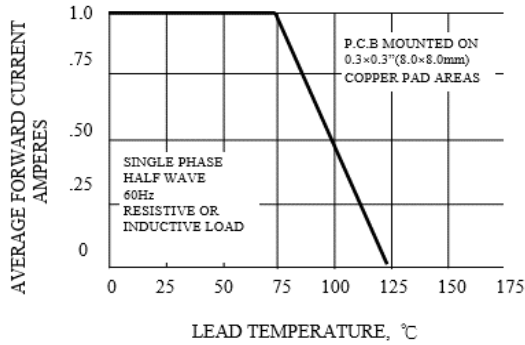


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

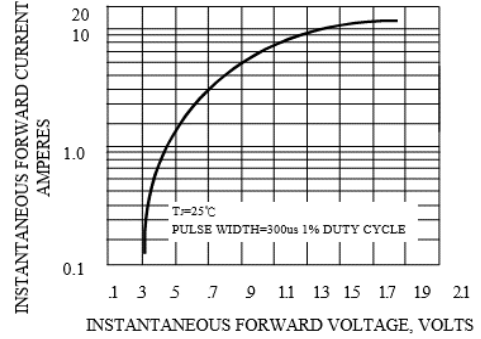


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

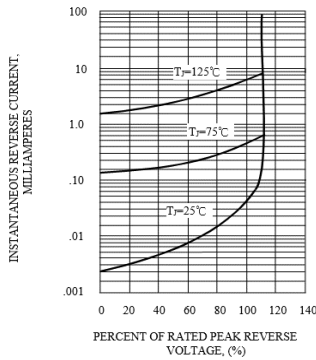


Fig. 4 - MAXIMUM FORWARD SURGE NUMBER OF CYCLES

