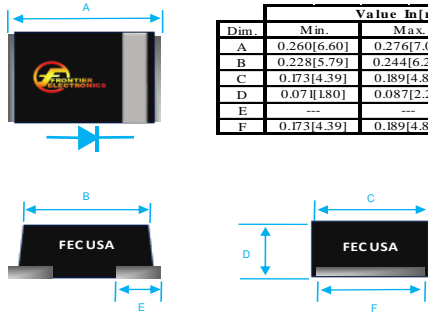


5A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS



Dim.	Value In[mm]		Typ.
	Min.	Max.	
A	0.260[6.60]	0.276[7.01]	---
B	0.228[5.79]	0.244[6.20]	---
C	0.173[4.39]	0.189[4.80]	---
D	0.071[1.80]	0.087[2.21]	---
E	---	---	0.040[1.02]
F	0.173[4.39]	0.189[4.80]	---

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: THIN SMC
7. DIMENSIONS IN INCHES AND (MILLIMETERS)
8. POLARITY: INDICATED BY CATHODE BAND
9. WEIGHT: 0.195 GRAMS
10. 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	5	A
8.3ms SINGLE HALF SINE-WAVE		IFSM	150	A
MAXIMUM REVERSE CURRENT AT 25°C		IR	500	uA

1. MAXIMUM FORWARD VOLTAGE AT IO DC

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)
SK52	20	14	20	0.55
SK53	30	21	30	0.55
SK54	40	28	40	0.55
SK55	50	35	50	0.7
SK56	60	42	60	0.7
SK58	80	56	80	0.85
SK510	100	70	100	0.85

RATING AND CHARACTERISTIC CURVES

