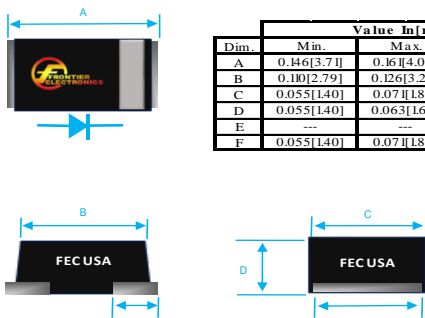


1A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS



Dim.	Value In[mm]		Typ.
	Min.	Max.	
A	0.146[3.71]	0.161[4.09]	---
B	0.101[2.79]	0.126[3.20]	---
C	0.055[1.40]	0.071[1.80]	---
D	0.055[1.40]	0.063[1.60]	---
E	---	---	0.035[0.89]
F	0.055[1.40]	0.071[1.80]	---

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 SMA
7. DIMENSIONS IN INCHES AND (MILLIMETERS)
8. POLARITY: INDICATED BY CATHODE BAND
9. WEIGHT: 0.05 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 CURRENTSEE FIG.1 (NOTE 1)	IO	1	A
8.3ms SINGLE HALF SINE-WAVE	IFSM	25	A
TYPICAL THERMAL RESISTANCE (NOTE 2)	Rqjl	35	°C/W
TYPICAL THERMAL RESISTANCE (NOTE 2)	Rqja	95	°C/W
MAXIMUM REVERSE CURRENT AT 25°C	IR	500	uA
MAXIMUM REVERSE CURRENT AT 100 °C	IR	20000	uA

1. PULSE TEST : 300µs PULSE WIDTH , 1% DUTY CYCLE

2. P.C.B. MOUNTED 0.55"x0.55 "(14x14 mm) 0.013mm THICK COPPER PAD AREAS

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
SK12	20	14	20	0.55	SK12
SK13	30	21	30	0.55	SK13
SK14	40	28	40	0.55	SK14
SK15	50	35	50	0.7	SK15
SK16	60	42	60	0.7	SK16
SK18	80	56	80	0.7	SK18
SK110	100	70	100	0.85	K110

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

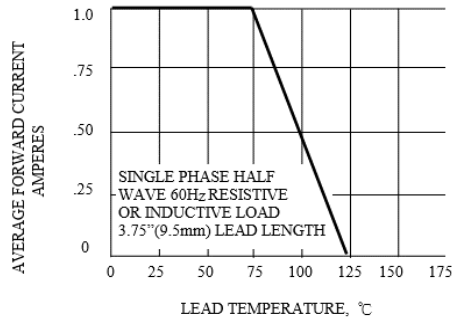


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

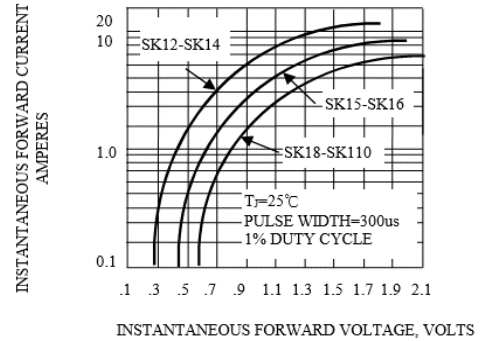
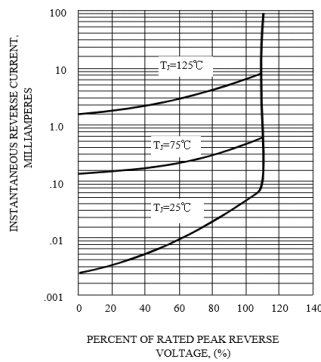


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS



UM NON-REPETITIVE

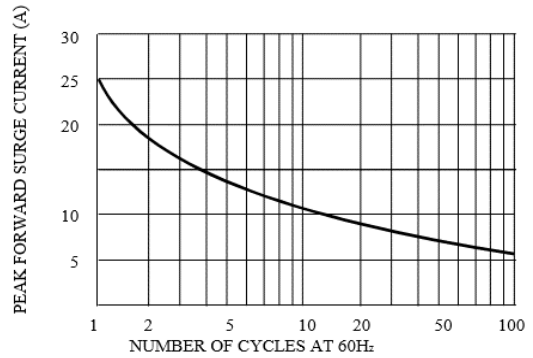


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

