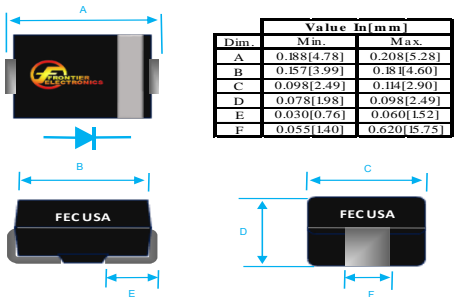


1A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

 <table border="1" style="margin-left: auto; margin-right: auto;"> <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>0.188[4.78]</td> <td>0.208[5.28]</td> </tr> <tr> <td>B</td> <td>0.157[3.99]</td> <td>0.181[4.60]</td> </tr> <tr> <td>C</td> <td>0.098[2.49]</td> <td>0.114[2.90]</td> </tr> <tr> <td>D</td> <td>0.078[1.98]</td> <td>0.098[2.49]</td> </tr> <tr> <td>E</td> <td>0.030[0.76]</td> <td>0.060[1.52]</td> </tr> <tr> <td>F</td> <td>0.053[1.40]</td> <td>0.620[15.73]</td> </tr> </tbody> </table>	Dim.	Value in [mm]		Min.	Max.	A	0.188[4.78]	0.208[5.28]	B	0.157[3.99]	0.181[4.60]	C	0.098[2.49]	0.114[2.90]	D	0.078[1.98]	0.098[2.49]	E	0.030[0.76]	0.060[1.52]	F	0.053[1.40]	0.620[15.73]	<h3>PRODUCT FEATURES</h3> <ol style="list-style-type: none"> 1. FLAMMABILITY CLASSIFICATION: 94V-0 2. EXTREMELY LOW VF 3. LOW POWER LOSS/HIGH EFFICIENCY 4. LOW STORED CHARGE 5. MAJORITY CARRIER CONDUCTION 6. CASE: DO-214AC SMA 7. DIMENSIONS IN INCHES AND (MILLIMETERS) 8. POLARITY: INDICATED BY CATHODE BAND 9. WEIGHT 0.064 GRAMS 10. MIL-STD 750 METHOD 2026 11. ROHS
Dim.		Value in [mm]																						
	Min.	Max.																						
A	0.188[4.78]	0.208[5.28]																						
B	0.157[3.99]	0.181[4.60]																						
C	0.098[2.49]	0.114[2.90]																						
D	0.078[1.98]	0.098[2.49]																						
E	0.030[0.76]	0.060[1.52]																						
F	0.053[1.40]	0.620[15.73]																						

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 AT $T_L=90^\circ\text{C}$	I_O	1	A
PEAK FWD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	IFSM	25	A
TYPICAL JUNCTION CAPACITANCE (NOTE 1)	CJ	70	pF
MAXIMUM REVERSE CURRENT AT 25°C	IR	100	uA

1. MEASURED AT 1.0 MHz AND APPLIED REVERSE VOLTAGE OF 4.0V D.C.

2. MAXIMUM FORWARD VOLTAGE AT I_O

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)
SS12H	20	14	20	0.5
SS13H	30	21	30	0.5
SS14H	40	28	40	0.5
SS15H	50	35	50	0.7
SS16H	60	42	60	0.7
SS17H	70	49	70	0.85
SS18H	80	56	80	0.85
SS19H	90	63	90	0.85
SS100H	100	70	100	0.85



SS12H THRU SS110H SPECIFICATIONS

Rev. A

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

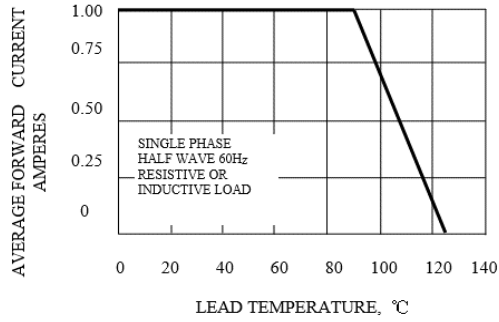


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

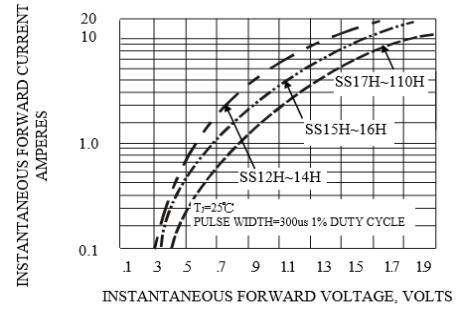


FIG. 3A - TYPICAL REVERSE CHARACTERISTICS

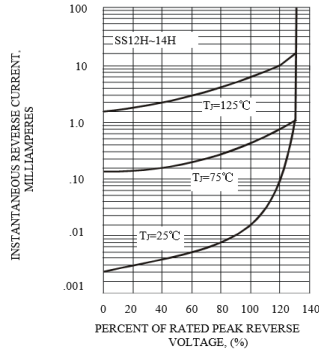


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

