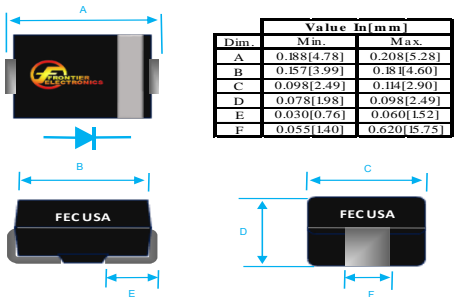


3A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

 <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <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]	PRODUCT FEATURES <ol style="list-style-type: none"> 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, DO-214AC (SMA) 7. DIMENSIONS IN INCHES AND (MILLIMETERS) 8. POLARITY: INDICATED BY CATHODE BAND 9. WEIGHT: 0.054 GRAMS 10. 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 (SEE FIG.1)				IO	3	A
8.3ms SINGLE HALF SINE-WAVE				IFSM	100	A
TYPICAL JUNCTION CAPACITANCE(NOTE 1)				CJ	300	pF
TYPICAL THERMAL RESISTANCE (NOTE 2)				Rqja	55	°C/W
TYPICAL THERMAL RESISTANCE (NOTE 2)				Rqjl	17	°C/W
MAXIMUM REVERSE CURRENT AT 25°C				IR	1000	uA

NOTES: 1. PULSE TEST: 300µS PULSE WIDTH, 1% DUTY CYCLE

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

3. MAXIMUM FORWARD VOLTAGE AT IO

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
SS32A	20	14	20	0.5	SS32A
SS33A	30	21	30	0.5	SS33A
SS34A	40	28	40	0.5	SS34A
SS35A	50	35	50	0.75	SS35A
SS36A	60	42	60	0.75	SS36A
SS38A	80	56	80	0.85	SS38A
SS310A	100	70	100	0.85	SS310A

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

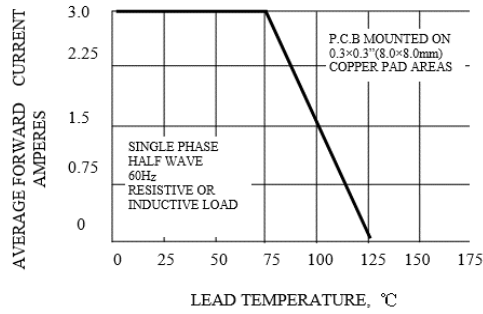


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

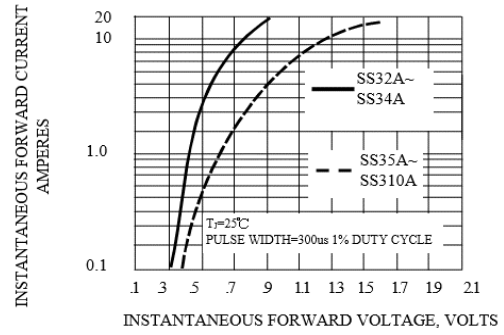


FIG. 3A - TYPICAL REVERSE CHARACTERISTICS

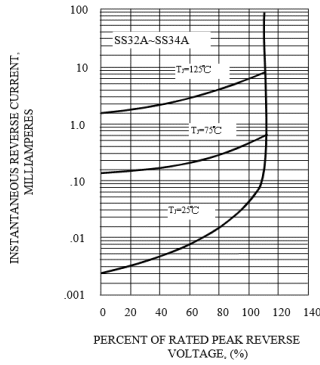


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

