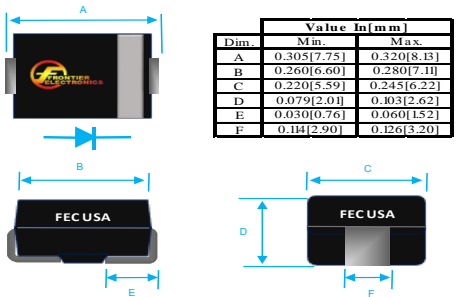


3A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

 <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>0.305[7.75]</td> <td>0.320[8.13]</td> </tr> <tr> <td>B</td> <td>0.260[6.60]</td> <td>0.280[7.11]</td> </tr> <tr> <td>C</td> <td>0.220[5.59]</td> <td>0.245[6.22]</td> </tr> <tr> <td>D</td> <td>0.079[2.01]</td> <td>0.103[2.62]</td> </tr> <tr> <td>E</td> <td>0.030[0.76]</td> <td>0.060[1.52]</td> </tr> <tr> <td>F</td> <td>0.14[2.90]</td> <td>0.126[3.20]</td> </tr> </tbody> </table>	Dim.	Value in [mm]		Min.	Max.	A	0.305[7.75]	0.320[8.13]	B	0.260[6.60]	0.280[7.11]	C	0.220[5.59]	0.245[6.22]	D	0.079[2.01]	0.103[2.62]	E	0.030[0.76]	0.060[1.52]	F	0.14[2.90]	0.126[3.20]	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-214AB (SMC) 7. DIMENSIONS IN INCHES AND (MILLIMETERS) 8. POLARITY: INDICATED BY CATHODE BAND 9. WEIGHT: 0.21 GRAMS 10. ROHS
Dim.		Value in [mm]																						
	Min.	Max.																						
A	0.305[7.75]	0.320[8.13]																						
B	0.260[6.60]	0.280[7.11]																						
C	0.220[5.59]	0.245[6.22]																						
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E	0.030[0.76]	0.060[1.52]																						
F	0.14[2.90]	0.126[3.20]																						

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	500	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)
SS32	20	14	20	0.5
SS33	30	21	30	0.5
SS34	40	28	40	0.5
SS35	50	35	50	0.7
SS36	60	42	60	0.7
SS38	80	56	80	0.85
SS310	100	70	100	0.85

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

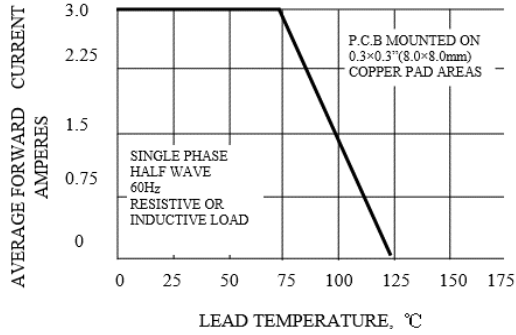


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

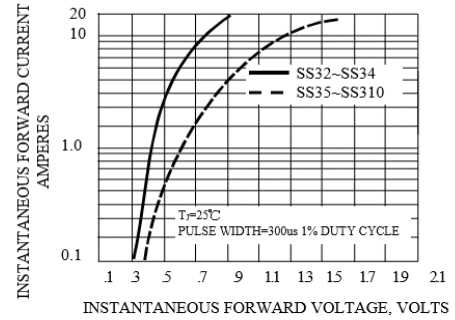


FIG. 3A - TYPICAL REVERSE CHARACTERISTICS

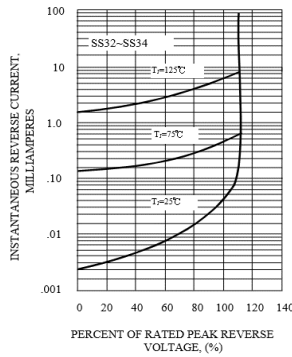


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

