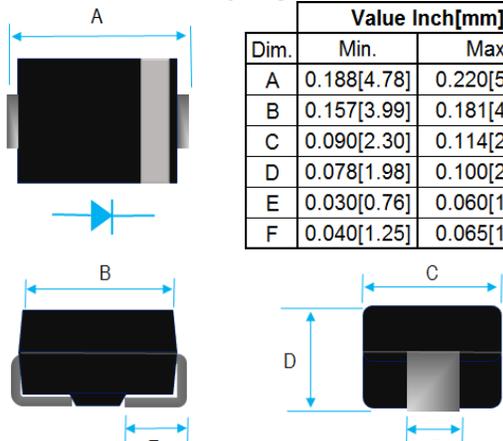


2A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

	Value Inch[mm]		
	Dim.	Min.	Max.
	A	0.188[4.78]	0.220[5.60]
	B	0.157[3.99]	0.181[4.60]
	C	0.090[2.30]	0.114[2.90]
	D	0.078[1.98]	0.100[2.60]
	E	0.030[0.76]	0.060[1.52]
F	0.040[1.25]	0.065[1.65]	

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. EXTREMELY LOW V_F
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 0.064 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 +125°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)	I_O	2.0	A
PEAK FWD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE	I_{FSM}	50	A
TYPICAL THERMAL RESISTANCE (NOTE 2)	$R_{\theta JA}$	75	°C/W
TYPICAL THERMAL RESISTANCE (NOTE 2)	$R_{\theta JL}$	17	°C/W
MAXIMUM REVERSE CURRENT AT 25°C	I_R	1.0	mA
MAXIMUM REVERSE CURRENT AT 100 °C	I_R	20	mA

NOTES: 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

3. MAXIMUM FORWARD VOLTAGE AT I_O

PART NUMBER	MAX. RECURRENT PEAK REVERSE VOLTAGE V_{RRM} (V)	MAX. RMS VOLTAGE V_{RMS} (V)	MAX. DC BLOCKING VOLTAGE V_{DC} (V)	MAX. FORWARD VOLTAGE V_F (V)
SS22A	20	14	20	0.50
SS23A	30	21	30	0.50
SS24A	40	28	40	0.50
SS25A	50	40	50	0.70
SS26A	60	48	60	0.70
SS28A	80	56	80	0.85
SS210A	100	70	100	0.85
SS215A	150	105	150	0.90
SS220A	200	140	200	0.92

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERTING CURVE

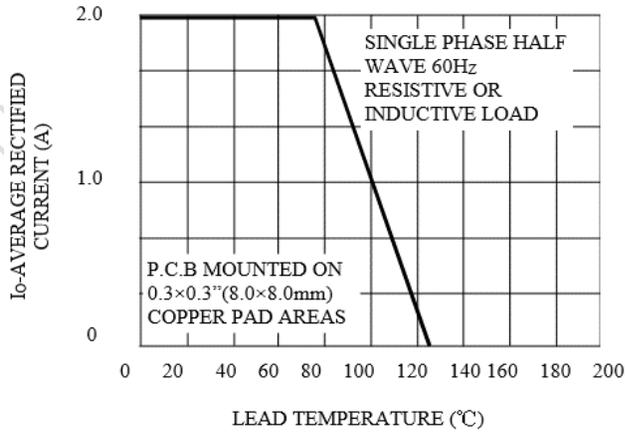


FIG.2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

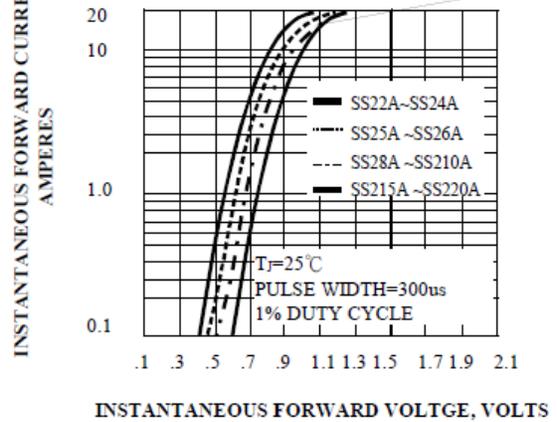


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

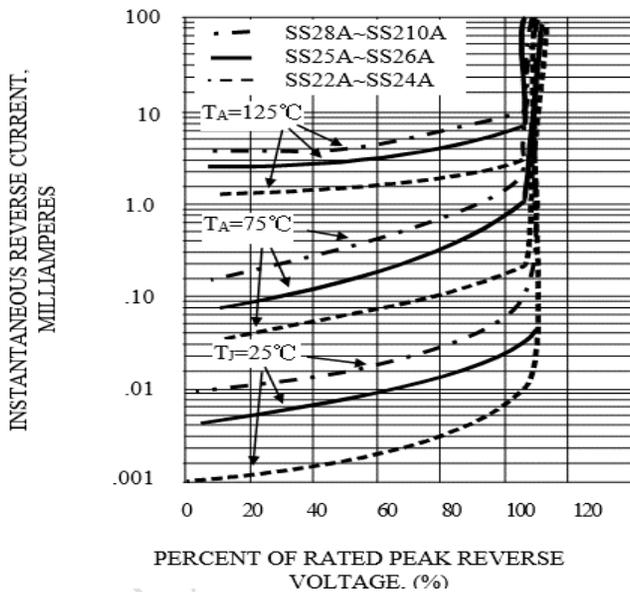


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

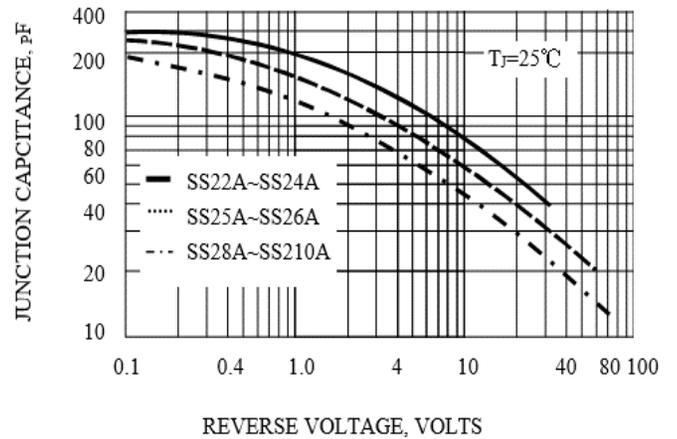


FIG. 5 - MAXIMUM NON-REPETITIVE SURGE CURRENT

