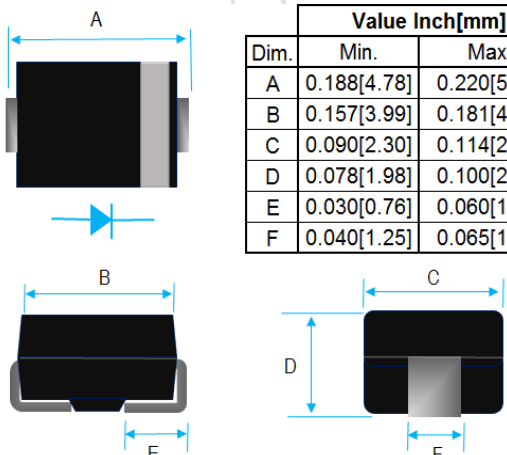


1A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

	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. 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. LEADS: SOLDERABILITY PER MIL-STD 750 METHOD 2026
11. 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 AT $T_L=90^\circ\text{C}$	I_O	1.0	A
PEAK FWD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	30	A
TYPICAL JUNCTION CAPACITANCE (NOTE 1)	C_J	70	pF
MAXIMUM REVERSE CURRENT AT 25°C	I_R	500	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	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)
SS12	20	14	20	0.50
SS13	30	21	30	0.50
SS14	40	28	40	0.50
SS15	50	35	50	0.70
SS16	60	42	60	0.70
SS17	70	49	70	0.85
SS18	80	56	80	0.85
SS19	90	63	90	0.85
SS110	100	70	100	0.85

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

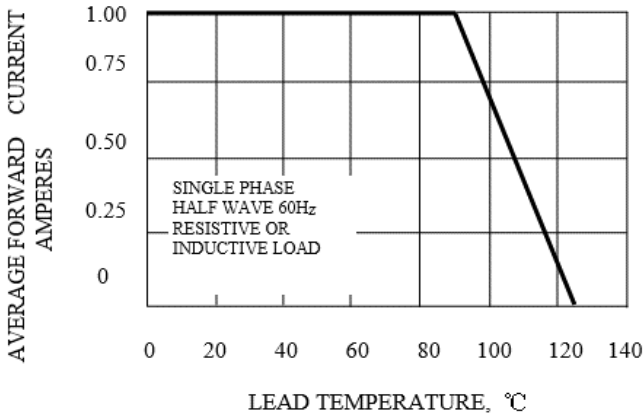


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

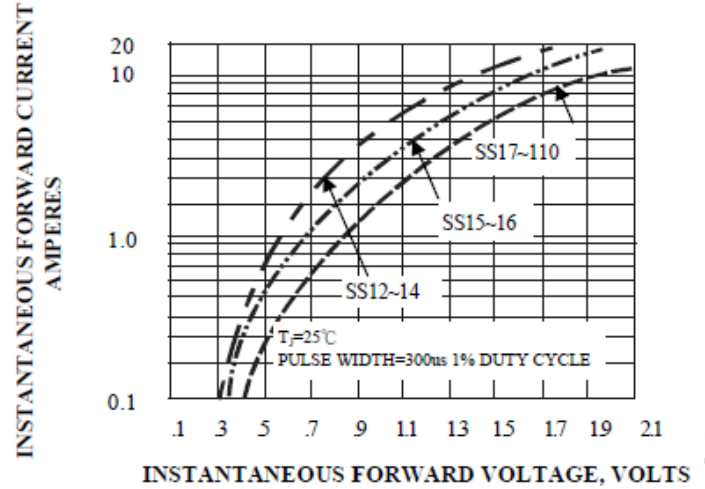


FIG. 3A - TYPICAL REVERSE CHARACTERISTICS

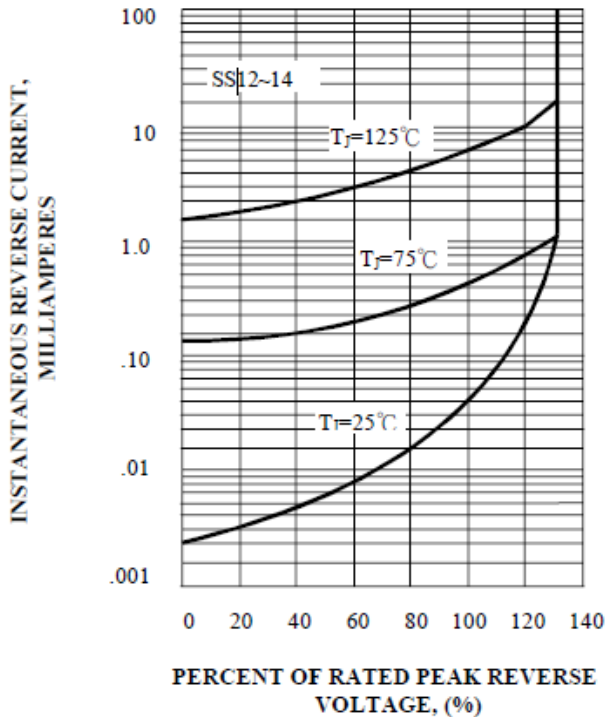


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

