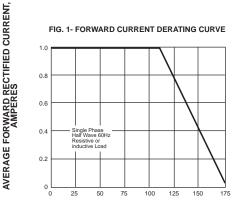
R		STATHRUS1M SURFACE MOUNT GENERAL RECTIFIER Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere							
				F	ΕΔTI				
DO-214AC/SMA		FEATURES							
0.067 (1.70) 0.051 (1.30) 0.110(2.80) 0.100(2.54) 0.1	<ul> <li>The plastic package carries Underwriters Laboratory Flammability Classification 94V-0</li> <li>For surface mounted applications</li> <li>Low reverse leakage</li> <li>Built-in strain relief, ideal for automated placement</li> <li>High forward surge current capability</li> <li>High temperature soldering guaranteed: 250°C/10 seconds at terminals</li> </ul>								
$\begin{array}{c} 0.096(2.42) \\ \hline 0.078(1.98) \\ \hline \\ 0.030(0.76) \\ \hline \\ 0.030(0.76) \\ \hline \\ 0.194(4.53) \\ \hline \\ \end{array}$	Tei Me Po Mo	<u>MECHANICAL DATA</u> ase: JEDEC DO-214AC molded plastic body erminals: Solder plated, solderable per MIL-STD-750 ethod 2026 plarity: Color band denotes cathode end ounting Position: Any eight:0.002 ounce, 0.07 grams							
Dimensions in inches and (millimeters)									
MAXIMUM RATINGS AN		RICA	LCH	ARAC	TER	ISTIC	S		
Ratings at 25°C ambient temperature unless otherwise s Single phase half-wave 60Hz,resistive or inductive load,t	pecified. or capacitive	e load o	current	derate	by 20%	, D.			
MDD Catalog Number	SYMBOLS	S1A	S1B	S1D	S1G	S1J	S1K	S1M	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	Vrms	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current at TL=110℃	l(AV)	1.0							Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	Іғѕм	30.0						Amps	
Maximum instantaneous forward voltage at 1.0A	Vf	/F 1.1						Volts	
Maximum DC reverse current Ta=25°C		5.0							
at rated DC blocking voltage Ta=100℃	IR	IR 50.0						μA	
Typical junction capacitance (NOTE 1)	CJ	15.0						pF	
Typical thermal resistance (NOTE 2)	Reja	75.0						°C/W	
		-50 to +150						°C	

## **RATINGS AND CHARACTERISTIC CURVES S1A THRU S1M**



AMBIENT TEMPERATURE,°C

TJ=25℃ PULSE WIDTH=300 µs 1%DUTY CYCLE

1.2

1.4 1.5

FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

INSTANTANEOUS FORWARD CURRENT, AMPERES

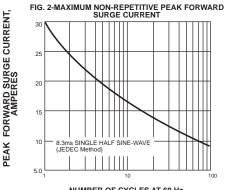
20 10

01

0.01

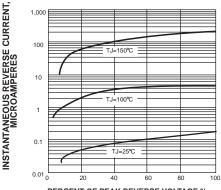
0.6

0.8

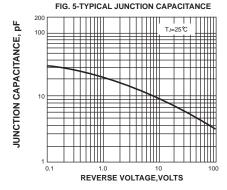


NUMBER OF CYCLES AT 60 Hz





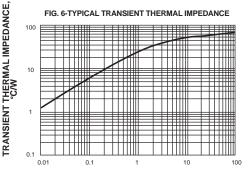
PERCENT OF PEAK REVERSE VOLTAGE,%



1.0

INSTANTANEOUS FORWARD VOLTAGE, VOLTS

FIG. 6-TYPICAL TRANSIENT THERMAL IMPEDANCE



t,PULSE DURATION,sec.

The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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