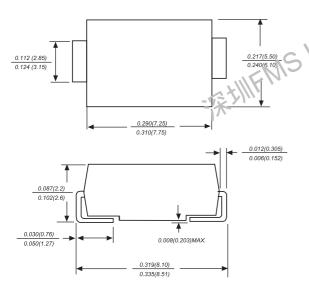
## Formosa MS

#### **S6A THRU S6M**

Reverse Voltage - 50 to 1000 Volts Forward Current - 6.0 Amperes

#### SMC/DO-214AB



Dimensions in inches and (millimeters)

### **FEATURES**

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- \* For surface mounted applications
- Low reverse leakageBuilt-in strain relief,ideal for automated placement
- High forward surge current capability
- → High temperature soldering guaranteed: 250°C/10 seconds at terminals

#### **MECHANICAL DATA**

Case: JEDEC DO-214AB molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

**Mounting Position**: Any

Weight: 0.008 ounce, 0.217 grams

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

	SYMBOLS	S6A	S6B	S6D	S6G	S6J	S6K	S6M	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°C	l(AV)	6.0				Amps			
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	lfsm	200.0			Amps				
Maximum instantaneous forward voltage at 6.0A	VF	1.15				Volts			
Maximum DC reverse current Ta=25°C at rated DC blocking voltage Ta=100°C	lR	5.0 100.0		uA					
Typical junction capacitance (NOTE 1)	Cı	130.0		pF					
Typical thermal resistance (NOTE 2)	RqJA	50.0			°C/W				
perating junction and storage temperature range T <sub>J</sub>		-65 to +150					°C		

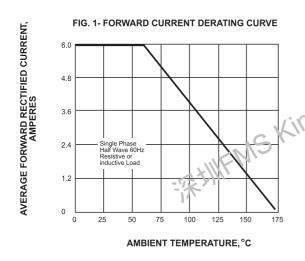
**Note:**1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

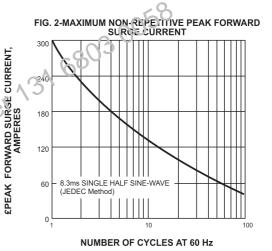
2.P.C.B. mounted with 0.6x0.6"(16x16mm) copper pad areas



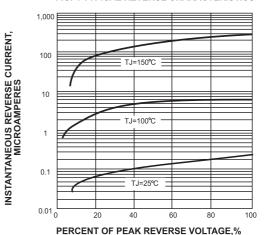
# Formosa MS

#### **RATINGS AND CHARACTERISTIC CURVES S6A THRU S6M**

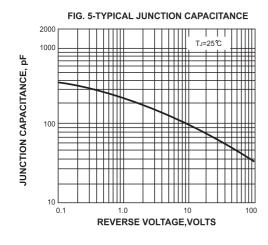


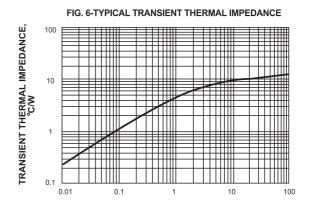






INSTANTANEOUS FORWARD VOLEAGE,





t,PULSE DURATION,sec.



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DS-222645	2008/02/10	2010/03/10	В	2