

# SN5A - SN5M

## PRV : 50 - 1000 Volts Io : 5.0 Amperes

#### FEATURES :

- \* High current capability
- \* High surge current capability
- \* High reliability
- \* Low reverse current
- \* Low forward voltage drop
- \* Pb / RoHS Free

#### **MECHANICAL DATA:**

- \* Case : SMC Molded plastic
- \* Epoxy : UL94V-O rate flame retardant
- \* Lead : Lead Formed for Surface Mount
- \* Polarity : Color band denotes cathode end
- \* Mounting position : Any
- \* Weight : 0.21 gram

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

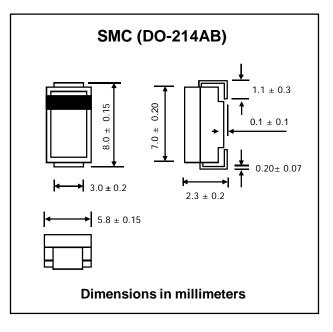
Rating at 25  $^{\circ}$ C ambient temperature unless otherwise specifie. Single phase, half wave, 60 Hz, resistive or inductive loac For capacitive load, derate current by 20%

RATING	SYMBOL	SN5A	SN5B	SN5D	SN5G	SN5J	SN5K	SN5M	UNIT
Maximum Repetitive Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Current Ta = 60°C	lF	5.0							А
Peak Forward Surge Current 8.3ms Single half sine wave Superimposed on rated load (JEDEC Method)	Ігѕм	300							A
Maximum Forward Voltage at IF = 5.0 Amps.	VF	1.1						V	
Maximum DC Reverse Current Ta = 25 °C	IR	20							μA
at rated DC Blocking Voltage Ta = 100 °C	IR(H)	50							μA
Typical Junction Capacitance (Note1)	Сл	50						pF	
Junction Temperature Range	TJ	- 65 to + 175							°C
Storage Temperature Range	Тѕтс	- 65 to + 175							°C

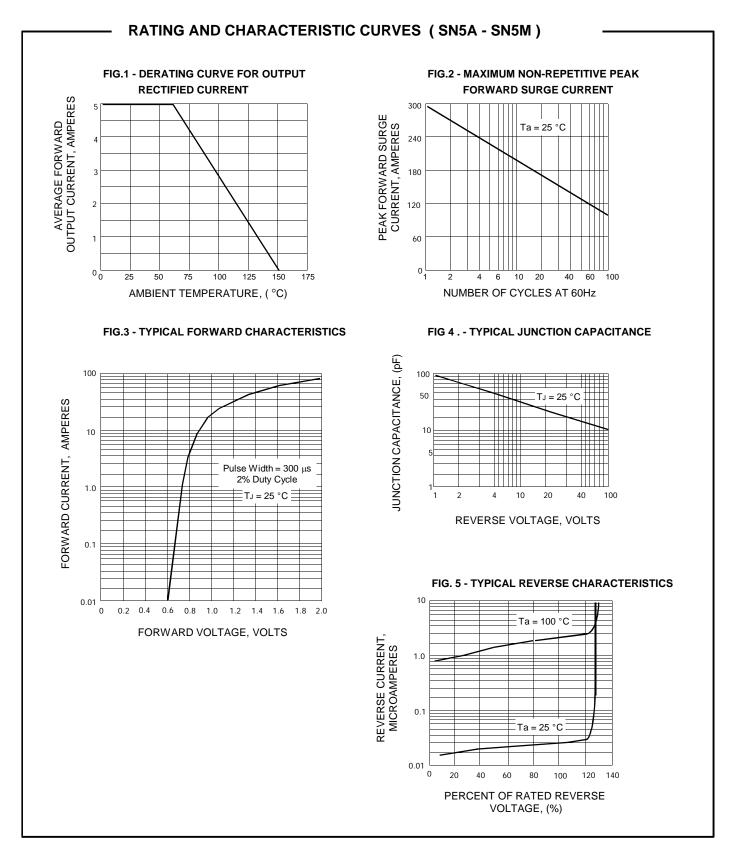
#### Notes :

(1) Measured at 1.0 MHz and applied reverse voltage of .0VDc

### SURFACE MOUNT RECTIFIERS







### Rev. 04: October 8, 2012

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