

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

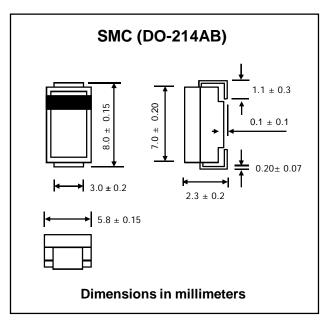
Rating at 25 $^{\circ}$ C ambient temperature unless otherwise specifie. Single phase, half wave, 60 Hz, resistive or inductive loac For capacitive load, derate current by 20%

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

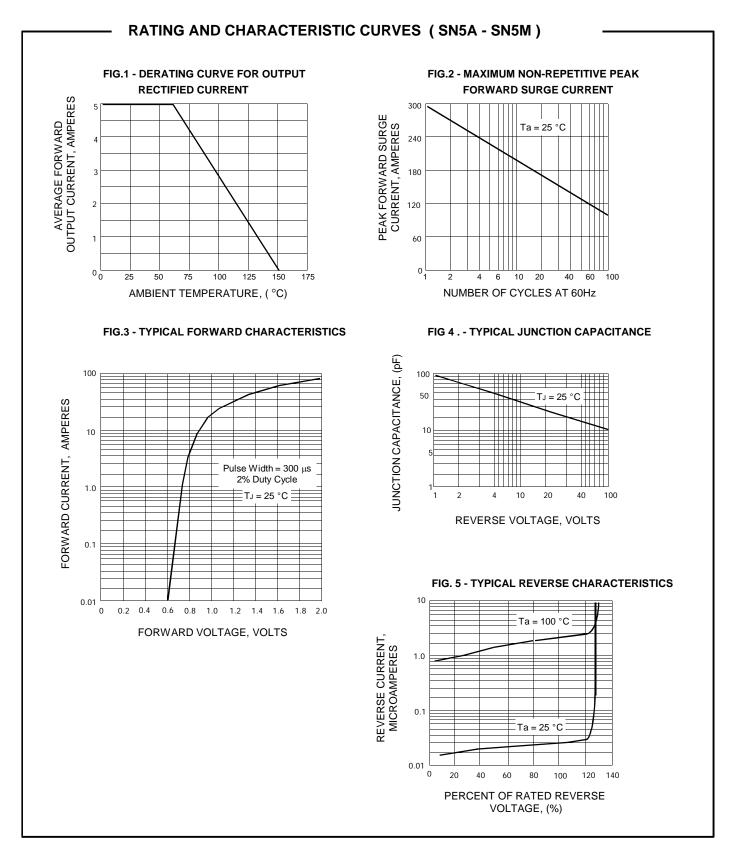
Notes :

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

SURFACE MOUNT RECTIFIERS







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