DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

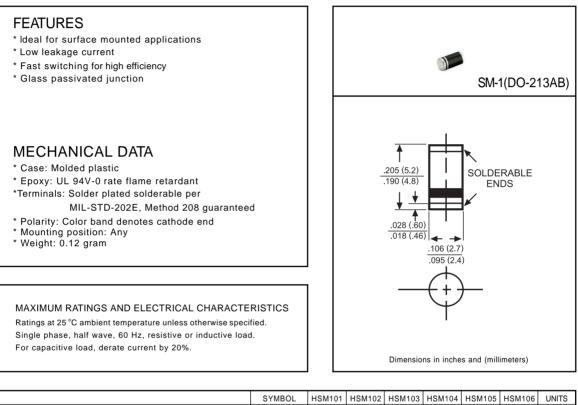
THRU HSM106

HSM101

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT HIGH EFFICIENCY RECTIFIER

VOLTAGE RANGE - 50 to 600 Volts

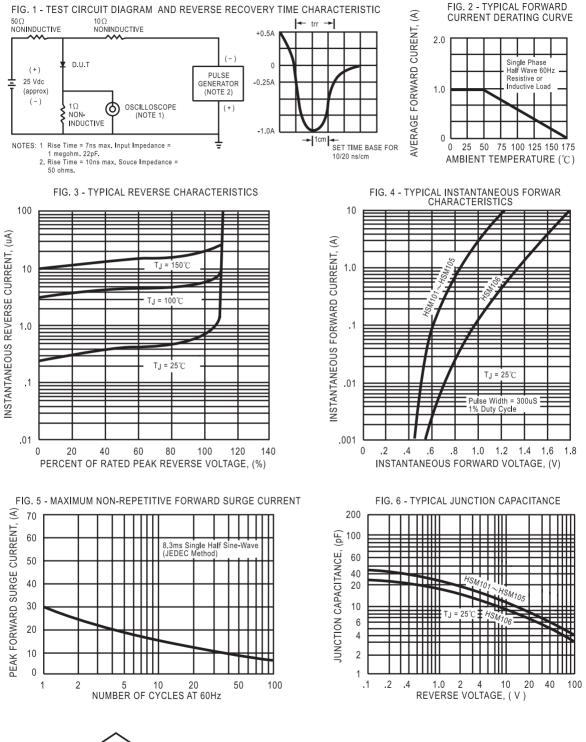
CURRENT - 1.0 Ampere



		SYMBOL	HSM101	HSM102	HSM103	HSM104	HSM105	HSM106	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	300	400	600	Volts
Maximum RMS Volts		Vrms	35	70	140	210	280	420	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	300	400	600	Volts
Maximum Average Forward Current at TA = 50°C		lo	1.0						Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	30					Amps	
Maximum Instantaneous Forward Voltage at 1.0A DC		VF		1.0 1.3 1.		1.7	Volts		
Maximum DC Reverse Current	@TA = 25°C	le	IR 5.0					uAmps	
at Rated DC Blocking Voltage	@Ta =125°C	100							
Maximum Reverse Recovery Time (Note 1)		trr		50 75					nSec
Typical Junction Capacitance (Note 2)		CJ	15						pF
Operating and Storage Temperature Range		TJ, TSTG	-65 to + 175						٥C

NOTES: 1. Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A.

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.



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