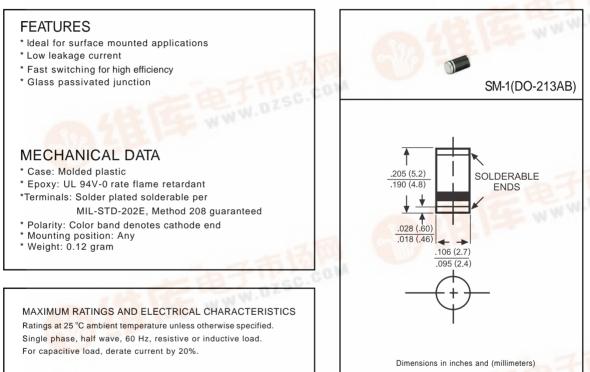


TECHNICAL SPECIFICATIONS OF SURFACE MOUNT HIGH EFFICIENCY RECTIFIER

VOLTAGE RANGE - 50 to 600 Volts

CURRENT - 1.0 Ampere



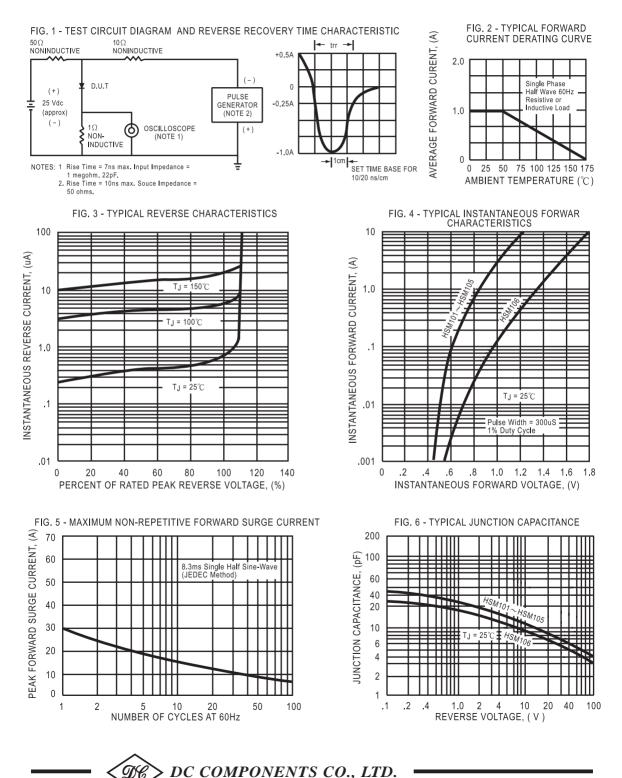
		SYMBOL	HSM101	HSM102	HSM103	HSM104	HSM105	HSM106	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	300	400	600	Volts
Maximum RMS Volts		Vrms	35	70	140	210	280	420	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	300	400	600	Volts
Maximum Average Forward Current at TA = 50°C		ю	CO.W	1.0					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		.3	1.7	Volts	
Maximum DC Reverse Current	@TA = 25°C	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					
Operating and Storage Temperature Range		TJ. TSTG		-65 to + 175					

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

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

## RATING AND CHARACTERISTIC CURVES (HSM101 THRU HSM106)



DC COMPONENTS CO., LTD.