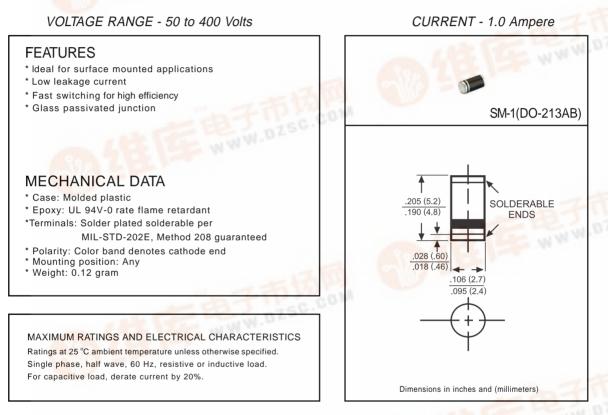


TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SUPER FAST RECTIFIER



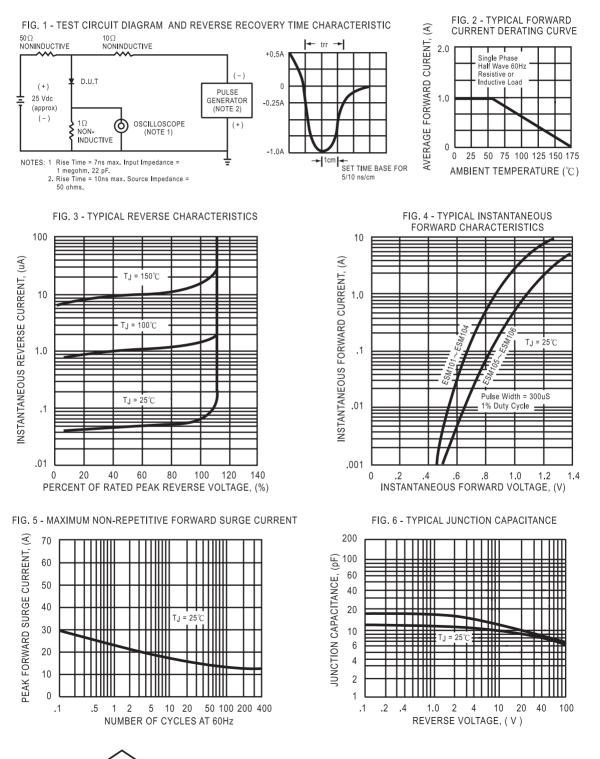
		SYMBOL	ESM101	ESM102	ESM103	ESM104	ESM105	ESM106	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	150	200	300	400	Volts
Maximum RMS Volts		VRMS	35	70	105	140	210	280	Volts
Maximum DC Blocking Voltage		VDC	50	100	150	200	300	400	Volts
Maximum Average Forward Current at TA = 55°C		ю	1.0					Amps	
Peak Forward Surge Current, IFM (surge): 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	30					Amps	
Maximum Forward Voltage at 1.0A DC		VF		0.95 1.25			25	Volts	
Maximum DC Reverse Current	@TA = 25°C	la.	5.0						
at Rated DC Blocking Voltage	@TA =125°C	IR IR	100						uAmps
Maximum Reverse Recovery Time (Note 1)		trr		35					nSec
Typical Junction Capacitance (Note 2)		CJ		15					pF
Operating and Storage Temperature Range		TJ, TSTG	-65 to + 175						٥C

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

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

## RATING AND CHARACTERISTIC CURVES (ESM101 THRU ESM106)



DE COMPONENTS CO., LTD.