## DC COMPONENTS CO., LTD.

**RECTIFIER SPECIALISTS** 

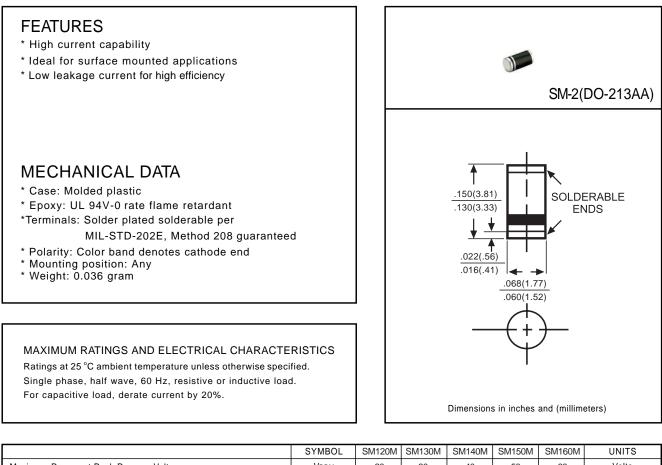
THRU SM160M

SM120M

## TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE - 20 to 60 Volts

CURRENT - 0.5 Ampere



		SYMBOL	SM120M	SM130M	SM140M	SM150M	SM160M	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	20	30	40	50	60	Volts
Maximum RMS Voltage		Vrms	14	21	28	35	42	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current at TA=90°C		ю	0.5					Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	25					Amps
Maximum Instantaneous Forward Voltage at 0.5A DC		VF	.45	.55	.60 .75			
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25°C	- IR	1.0					mAmps
	$@T_A = 100^{\circ}C$		10					
Typical Thermal Resistance (Note1)		RθJA	75					°C/W
Typical Junction Capacitance (Note 2)		CJ	110					pF
Storage Operating Temperature Range		TJ, TSTG	-65 to + 125				° C	

 $NOTES: \ \ 1. \ Thermal \ Resistance \ (Junction \ to \ Ambient), \ .24in_2 \ (6.0mm_2) \ copper \ pads \ to \ each \ terminal.$ 

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

## RATING AND CHARACTERISTIC CURVES (SM120M THRU SM160M)

