DC COMPONENTS CO., LTD.

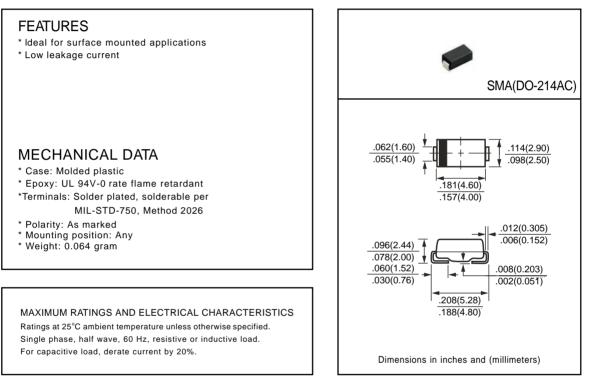
RECTIFIER SPECIALISTS

M13 THRU M20

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SILICON RECTIFIER

VOLTAGE RANGE 1300 to 2000 Volts

CURRENT 1.0 Ampere



		SYMBOL	M13	M16	M20	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	1300	1600	2000	Volts
Maximum RMS Voltage		Vrms	910	1120	1400	Volts
Maximum DC Blocking Voltage		VDC	1300	1600	2000	Volts
Maximum Average Forward Rectified Current at TA = 75°C		lo	1.0			Amps
Peak Forward Surge Current IFM(surge): 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		Ігѕм	30		Amps	
Maximum Forward Voltage at 1.0A DC		VF	1.1		Volts	
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25°C	IR	5.0			uAmps
	@TA = 125°C			50		
Maximum Reverse Recovery Time (Note 3)		trr	2.5		uSec	
Typical Thermal Resistance (Note 2)		RθJL	30			°C/W
Typical Junction Capacitance (Note 1)		CJ	15			pF
Operating and Storage Temperature Range		TJ, TSTG	-65 to + 175			°C

NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 4.0VDC

2. Thermal Resistance (Junction to Ambient), .24in² (6.0mm²) copper pads to each terminal.

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

