# DC COMPONENTS CO., LTD.

## **RECTIFIER SPECIALISTS**

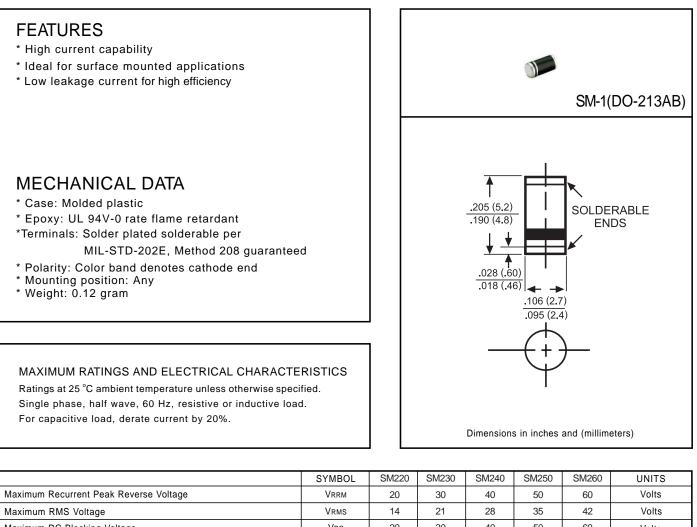
THRU SM260

SM220

### TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

#### VOLTAGE RANGE - 20 to 60 Volts

#### CURRENT - 2.0 Amperes



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		lo	2.0					Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		Ifsm	40					Amps
Maximum Instantaneous Forward Voltage at 2.0A DC		VF	.45	45 .55 .60 .75				
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25°C	- IR	2.0					- mAmps
	@TA = 100°C		20					
Typical Thermal Resistance (Note1)		RθJA	40					°C/W
Typical Junction Capacitance (Note 2)		CJ	200					pF
Storage Operating Temperature Range		TJ, TSTG	-65 to + 125					° C

NOTES : 1. Thermal Resistance (Junction to Ambient), .24in2 (6.0mm2) copper pads to each terminal.

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

