DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

THRU

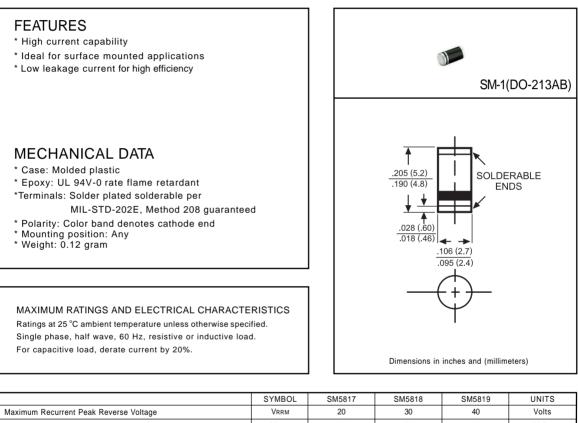
SM5817

SM5819

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

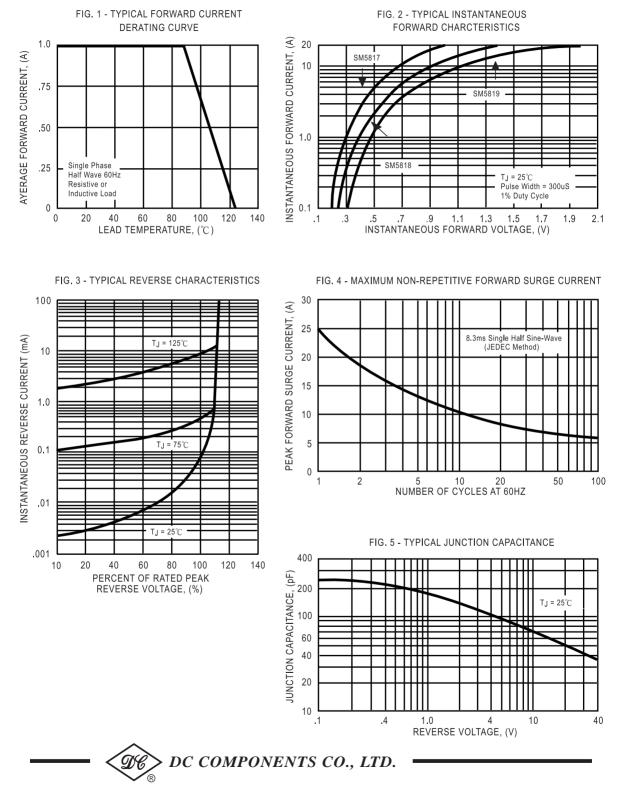
VOLTAGE RANGE - 20 to 40 Volts

CURRENT - 1.0 Ampere



		STIVIDUL	31013017	31013010	31013019	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	20	30	40	Volts
Maximum RMS Voltage		Vrms	14	21	28	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	Volts
Maximum Average Forward Rectified Current at TA=90°C		ю	1.0			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 1.0A DC		VF	.45	.55	.60	
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25°C	IR	1.0			mAmps
	@TA = 100°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), .24in₂ (6.0mm₂) copper pads to each terminal. 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.



277