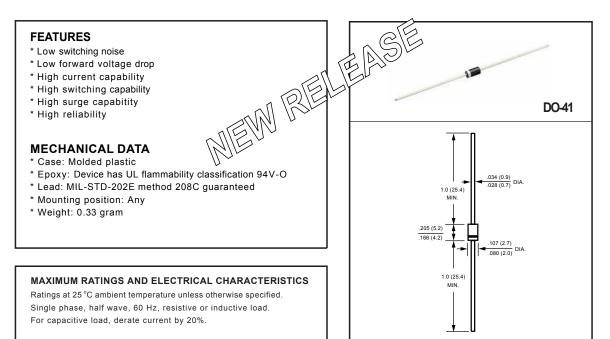




## LOW Vf SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 40 Volts CURRENT 0.2 Ampere



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	02N5817	02N5818	02N5819	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	20	30	40	Volts
Maximum RMS Voltage	V <sub>RMS</sub>	14	21	28	Volts
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	30	40	Volts
Maximum Average Forward Rectified Current at $T_A$ =110°C	IO	0.2			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	60			Amps
Typical Thermal Resistance (Note 3)	R <sub>0JA</sub>	50			° C/W
	R <sub>0JL</sub>	15			
Typical Junction Capacitance (Note 1)	CJ	110			pF
Operating Temperature Range	TJ	150			۰C
Storage Temperature Range	T <sub>STG</sub>		°C		

ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERISTICS		SYMBOL	02N5817	02N5818	02N5819	UNITS	
Maximum Instantaneous Forward Voltage at 0.2A DC		VF	.28			Volts	
Maximum Average Reverse Current	@T <sub>A</sub> = 25°C		1.0			mAmps	
at Rated DC Blocking Voltage	@T <sub>A</sub> = 100°C	IR IR		mAmps			
NOTES 1 Measured at 1 MHz and applied reverse voltage of 4 0 volts							

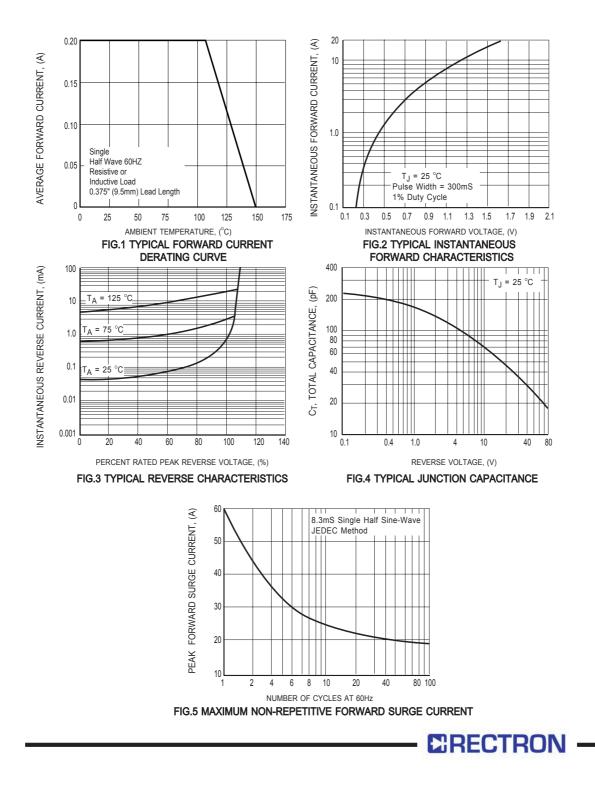
NOTES: 1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

3. Thermal Resistance : At 9.5mm lead lengths, PCB mounted.

2006-11





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