\$85B(R) THRU \$85Y(R)

STANDARD RECOVERY DIODE STUD TYPES 85A

Features

High Surge Capability
Types up to 1600V V_{RRM}

Maximum Ratings

Junction Operating Temperature : -55 °C to+175 °C

Storage Temperature : -55 °C to+175 °C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
S85B(R)	100 V	70 V	100 V
S85D(R)	200 V	140 V	200 V
S85G(R)	400 V	280 V	400 V
S85J(R)	600 V	420 V	600 V
S85K(R)	800 V	560 V	800 V
S85M(R)	1000 V	700 V	1000 V
S85Q(R)	1200 V	840 V	1200 V
S85V(R)	1400 V	980 V	1400 V
S85Y(R)	1600 V	1120 V	1600 V

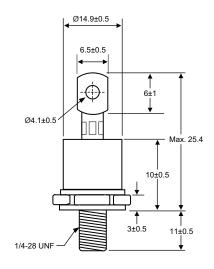
Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

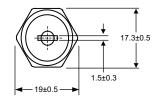
Average Forward Current (Per pkg)	lf(AV)	85A	Tc = 140°C
Peak Forward Surge Current	lғsм	1500A	8.3ms , half sine
Maximum Instantaneous Forward Voltage*	VF	1.1V	IFM= 85A; TJ = 25°C
Maximum Instantaneous Reverse Current At Rated DC Blockig Voltage*	lr	10µA 12mA	T _J = 25°C T _J = 175°C
Maximum Thermal Resistance Junction To Case	Røjc	0.50°C/W	
Mounting torque	Inch pounds (in-pb)	30	

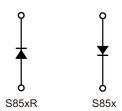
^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle < 2%



Dimensions in mm (1 mm = 0.0394")

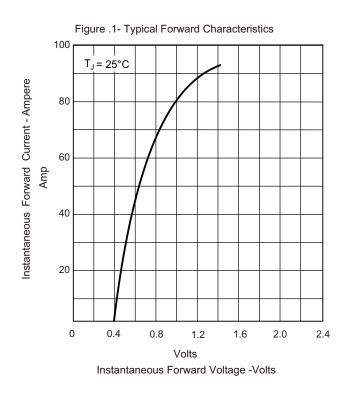


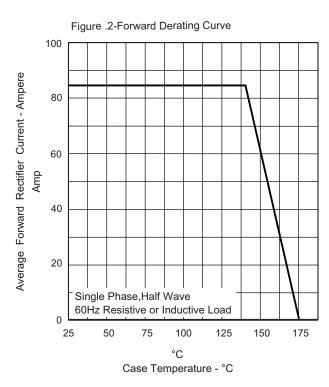


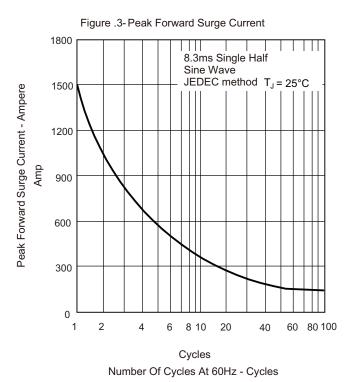


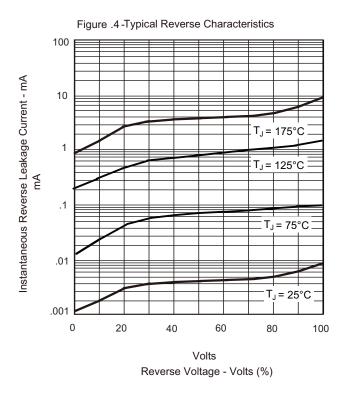
Marking Notes:

- 1. R= Stud Reverse Polarity : Anode to Stud
- 2. None = Stud normal Polarity: Cathode to Stud









S85B(R) THRU S85Y(R)

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