

TECHNICAL DATA DATA SHEET 4039, REV. A

POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

DESCRIPTION: A DUAL 45-VOLT, 15 AMP POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-4/4A/4B PACKAGE

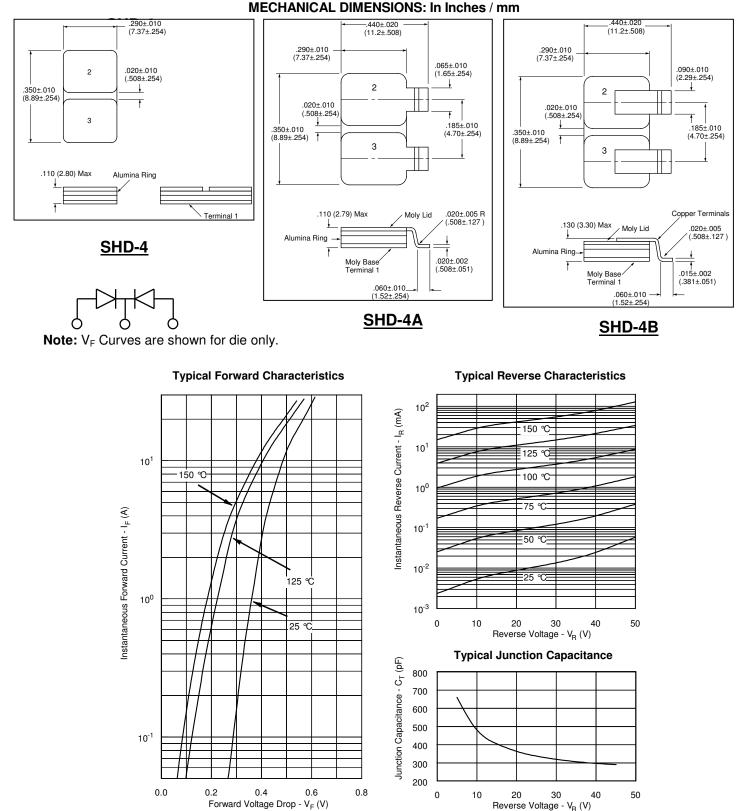
MAXIMUM RATINGS ARE @ T _c = 2	IM RATINGS ARE @ $T_c = 25 \degree C$ UNLESS OTHERWISE SPECIFIE					
RATING	SYMBOL	MAX.	UNITS			
PEAK INVERSE VOLTAGE	PIV	45	Volts			
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_c=100$ °C) (Common Cathode) (per leg)	Ι _ο	15	Amps			
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	280	Amps			
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	800	pF			
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	R _{eJC}	0.85	°C/W			
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	°C			

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulse	ed (I _f = 15 Amps)			
	T _J = 25 °C	V _f	0.56	Volts
	T _J = 125 °C	- 1	0.51	
MAXIMUM REVERSE CURRENT	(I _r @ 45V)			
	T _J = 25 °C	l _r	1.5	mA
	T _J = 125 °C		70	

SENSITRON SEMICONDUCTOR

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TECHNICAL DATA

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