PINGWEI ENTERPRISE

PS860L

8.0AMPS. SCHOTTKY BARRIER RECTIFIERS

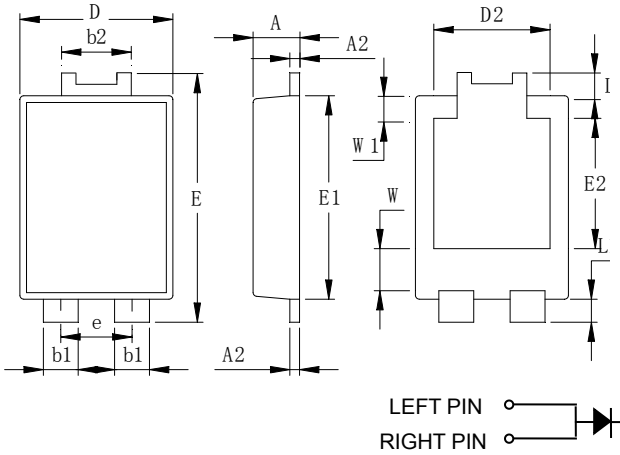
FEATURE

. For surface mounted application
. High current capability
. Low forward voltage drop
. Low power loss, high efficiency
. High surge current capability
. High temperature soldering guaranteed: 260℃ /10 seconds at terminals.

MECHANICAL DATA

. Terminal: Solder plated
. Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy

PS-277B



NO	Dimensions	NO	Dimensions
A	1.20±0.1	e	1.84Typ
A2	0.25±0.05	E1	5.3±0.1
b1	0.9±0.1	E2	3.3±0.2
b2	1.8±0.1	L	0.6±0.1
D	3.95±0.1	L1	0.6±0.1
D2	3.00Typ	W	1.3±0.2
E	6.5±0.1	W1	0.8±0.15
All Dimensions in mm			

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

Type Number		SYMBOL	PS860L	units
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	60	V
Maximum RMS Voltage		V_{RMS}	48	V
Maximum DC blocking Voltage		V_{DC}	60	V
Average Forward Rectified Output Current		$I_{F(AV)}$	8.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I_{FSM}	175.0	A
Maximum Instantaneous Forward Voltage at 2.0A DC	@T_A=25℃	V_F	0.35	V
	@T_A=100℃		0.30	
Maximum Instantaneous Forward Voltage at 8.0A DC	@T_A=25℃		0.48	
	@T_A=100℃		0.44	
Maximum DC Reverse Current at rated DC blocking voltage	@T_A=25℃	I_R	0.2	mA
	@T_A=100℃		20.0	
Typical Junction Capacitance (Note1)		C_J	600	pF
Typical Thermal Resistance (Note2)		$R_{(JA)}$	45	℃/W
Storage Temperature		T_{STG}	-55 to +150	°C
Operating Junction Temperature		T_J	-55 to +150	°C

Note:
1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2. Polymide PCB, 2oz. Copper. Cathode pad dimensions 18.8mm x 14.4mm. Anode pad dimensions 5.6mm x 14.4mm.