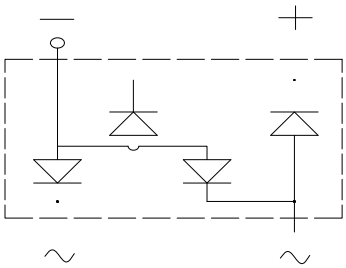
Bridge Rectifiers



Features

- UL recognition, file #E313149
- Ideal for automated placement
- Glass passivated chip junction
- High surge current capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

Typical Applications

General purpose use in AC/DC bridge full wave rectification for SMPS, lighting ballast, adapter, battery charger, home appliances, office equipment, and telecommunication applications.

Mechanical Data

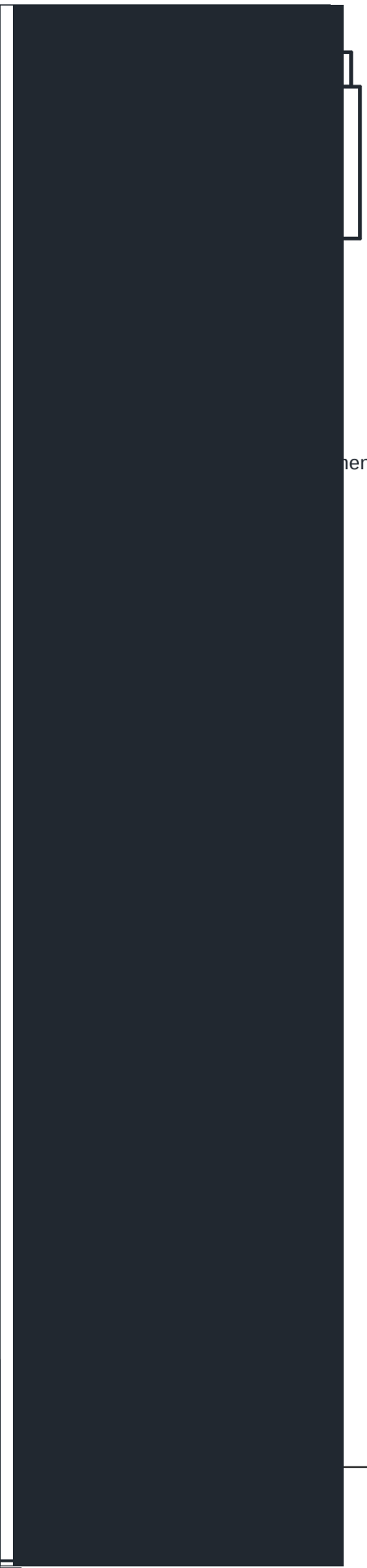
- **Package**: ABS
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked on body

■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	ABY	Y t ч	ABt ч		r ђ ї ABt
						800	1000
Maximum RMS Voltage	V_{RMS}	V	140				
Maximum DC blocking Voltage	V_{DC}	V	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load, T ψ							

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	ABS2	ABS4	ABS6	ABS8	ABS10
Maximum instantaneous forward voltage drop per diode	VF	V	I_{FM}=0.5A	0.95				
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j =25	5				
			T_j =125	100				
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	12				

■ Outline Dimensions



ABS

ABS		
Dim	Min	Max
A	4.30	4.50
B	6.00	6.40
C	3.90	4.10
D	4.90	5.10
E	1.25	1.45
F	1.60 Max	
G	0.60	0.70
H	0.15	0.25
I	0.30	0.80
J	0.02	0.15

nensions in millimeters

Dim	Min
P1	5.72
P2	4.00
Q1	1.00
Q2	0.90

Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machin)Nhe t¡ ƒ nc m τ on e i ! T ɔ