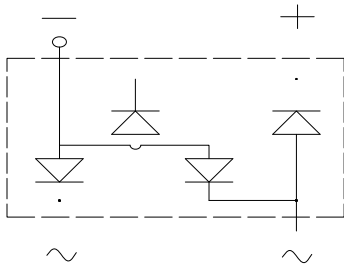


Bridge Rectifiers



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 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	ABY	Y t	ABt	r	ABt
Maximum RMS Voltage	V _{RMS}	V	140			800	1000
Maximum DC blocking Voltage	V _{DC}	V	200	400	600	800	1000

Average rectified output current
@60Hz sine wave, R-load, T T

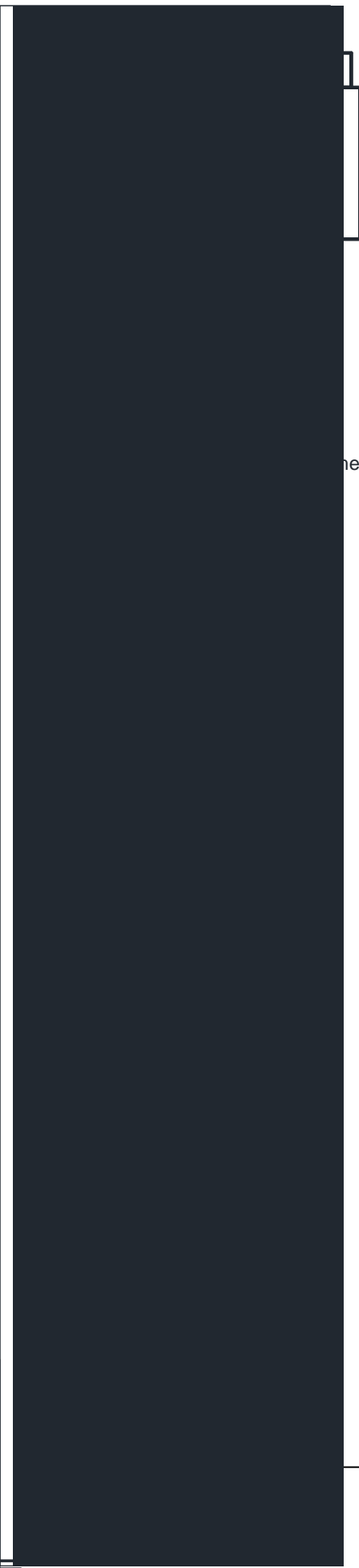
PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	ABS2	ABS4	ABS6	ABS8	ABS10
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =0.5A			0.95		
Maximum DC reverse current at rated DC blocking voltage per diode	I _R	μA	T _j =25			5		
			T _j =125			100		
Typical junction capacitance	C _j	pF	Measured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

ABS2 THRU ABS10



ABS2 THRU ABS10

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

Dimensions in millimeters

Dim	Min
P1	5.72
P2	4.00
Q1	1.00
Q2	0.90



ABS2 THRU ABS10

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 which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, etc.).