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 North Hampton, NH 03862-2448
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 WWW.PDEELECTRONICS.COM

Rectifier Assemblies

Three Phase Bridge, 2.5 Amp
 Standard and Fast Recovery
 700, 701 Series

FEATURES

- Miniature Package
- Recovery Times: to 500 ns
- Surge Ratings: to 25A
- PIV: from 100 to 600V
- Only Glass Passivated Diodes Used

DESCRIPTION

These miniature transfer-molded high-voltage three-phase power bridges are designed for universal application in power supplies. One basic bridge fills current requirements up to 2.5A, with PIV's from 100 to 600 volts and recovery times of standard and 500 ns max.

ABSOLUTE MAXIMUM RATINGS

Peak Inverse Voltage.....100 to 600V
 Maximum Average D.C. Output Current.....See Electrical Specifications
 Non-Repetitive Sinusoidal Surge (8.3ms).....See Electrical Specifications
 Operating and Storage Temperature Range.....-65°C to +150°C
 Thermal Resistance Junction to Ambient.....25°C/W Typical

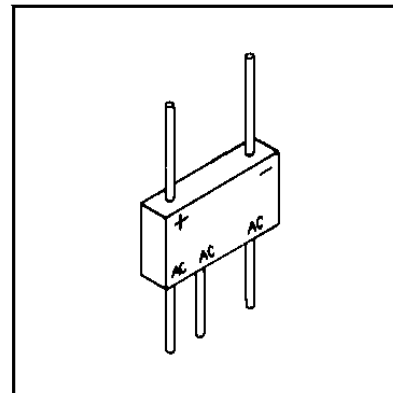
MECHANICAL SPECIFICATIONS

Tinned Copper

700, 701 SERIES

	Ins.	mm.
A	.310	7.87
B	.621	15.77
C	.512 REF	13.0 REF.
D	.460 MAX.	11.68 MAX.
E	.255	6.48
F	1.030 MAX.	26.16 MAX.
G	.220 MAX.	5.59 MAX.
H	.75	22.23
J	.028 DIA.	0.71 DIA.

Typical Weight- 0.12 ounces
3.5 grams



MARKING (OPTIONAL)

Alternate Current Input	A.C.	Yellow
Cathode- Positive Output	+	Red
Anode- Negative	-	Grey



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Electrical Specifications (at 25°C unless noted)					Maximum Ratings			
Type	PIV Per Leg	Maximum Forward Drop Per Leg	Leakage Current Per Leg @ PIV		Maximum Reverse Recovery Time*	Maximum Average D.C. Output Current	Non-Repetitive Sinusoidal Surge (8.3mS)	
			T _A =25°C	T _A =100°C		T _A =25°C		
	Volts	μA	μA	nS	Amps	Amps		
Standard Recovery	700-1 700-2 700-3 700-4 700-5 700-6 700-7 700-8 700-9 700-10	100 200 300 400 500 600 700 800 900 1000	1.0V @ 0.5 A	2	100	-	2.5	25
Fast Recovery	701-1 701-2 701-3 701-4 701-5 701-6 701-7 701-8 701-9 701-10	100 200 300 400 500 600 700 800 900 1000	1.1V @ 0.5A	2	100	500	2.25	20

*Measured in a reverse recovery circuit switching from 10mA forward to 10mA reverse current recovering to 5mA.