



180 Lafayette Road  
 North Hampton, NH 03862-2448  
 PH: 603-964-3165  
 FX: 603-964-3168  
 WWW.PDEELECTRONICS.COM

## Rectifier Assemblies

Single Phase Bridges, 10-25 Amp  
 Standard and Fast Recovery  
 679, 680, 683, 684 Series

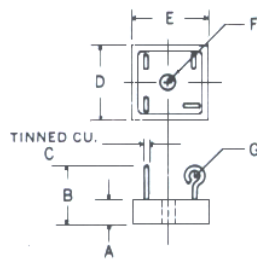
### FEATURES

- Current rating: to 25 A
- Recovery Times: to 500 ns
- PIVs: from 100 to 600V
- Surge Ratings: to 150A
- Only Glass Passivated Diodes Used
- Aluminum Heat Sink Case
- Case Electrically Insulated

### DESCRIPTION

This series of single-phase bridge offers the designer the ultimate in high current power supply applications. The fast recovery series allows operation at full power at high frequencies, up to 40kHz square wave, which is often used in chopper, inverters and converters in aircraft and missiles.

### MECHANICAL SPECIFICATIONS

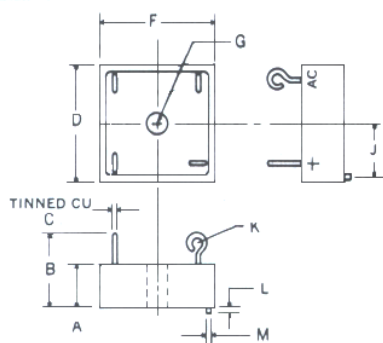
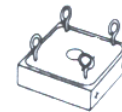


Typical Weight — 0.35 ounces  
 10 grams

#### 680, 684 SERIES

	ins.
A	.240 MAX.
B	.57 MAX.
C	.040 TYP.
D	.750 MAX.
E	.750 MAX.
F	.140 DIA.
G	.09 DIA. TYP.

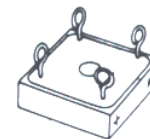
(part number printed on body)



Typical Weight — 0.7 ounces  
 20 grams

#### 679, 683 SERIES

	ins.
A	.328 MAX.
B	.750 MAX.
C	.040 TYP.
D	1.125 MAX.
F	1.125 MAX.
G	.193
J	.500
K	.09 DIA. TYP.
L	.062 TYP.
M	.062 TYP.



### MARKING (OPTIONAL)

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

Specifications subject to change without notice to ensure a better product  
**PD&E Electronics** 180 Lafayette Rd. North Hampton, NH 03862  
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Single Phase Bridges, 10-25 Amp  
 Standard and Fast Recovery  
 679, 680, 683, 684 Series

**MECHANICAL SPECIFICATIONS (Turret Option)** (part number printed on body)

680-xT, 684-xT SERIES

INCHES	
A	.250 MAX
B	.57 MAX
C	.75 MAX
D	.75 MAX
E	.140 DIA
F	.093 TYP

679-xT, 683-xT SERIES

INCHES	
A	.328 MAX
B	.750 MAX
C	1.125 MAX
D	1.125 MAX
E	.193 DIA
F	.093 TYP
G	.062 TYP
H	.062 TYP

For Turret terminal option please add suffix T to end of part number.

**Marking (optional)**

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

