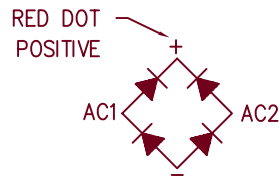
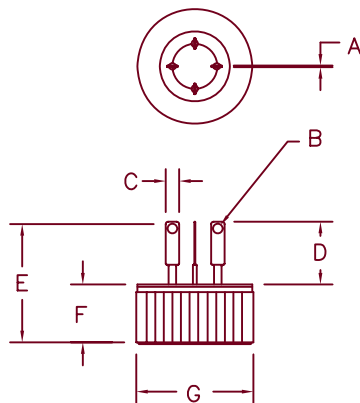
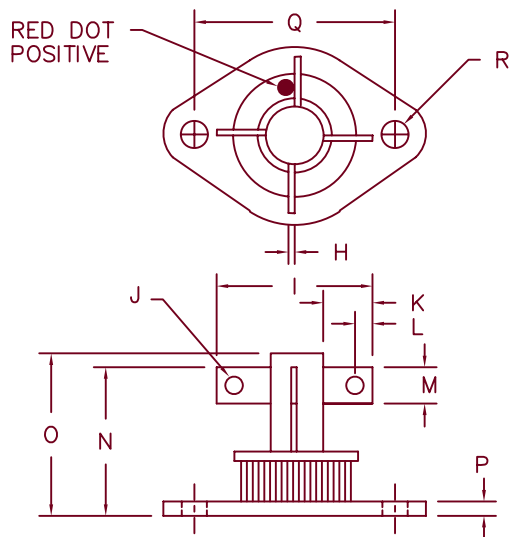
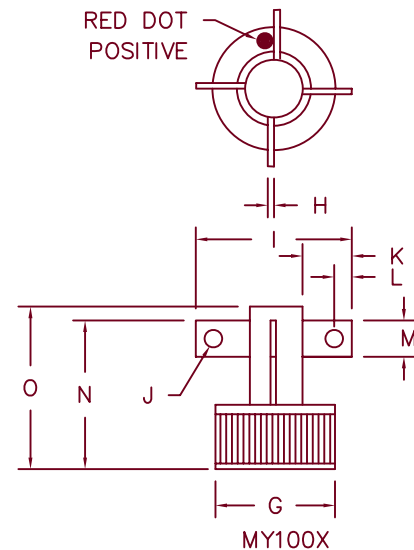


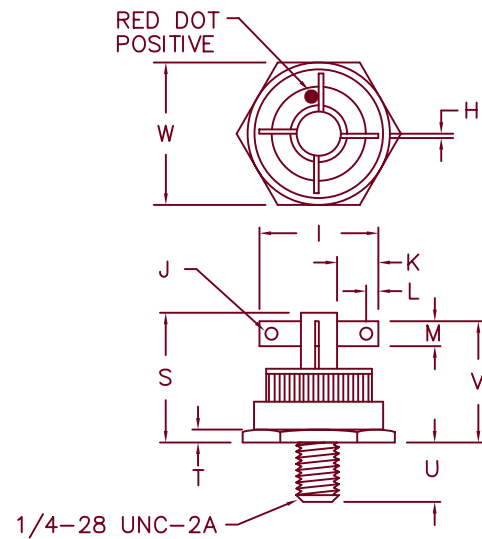
# 25Amp Fast Recovery Full Wave Bridge Rectifier MY100X — MY400X



Note: Electrically Isolated



MY100XT



MY100XS

| Dim. | Inches  | Millimeter |         | Notes   |
|------|---------|------------|---------|---------|
|      | Minimum | Maximum    | Minimum | Maximum |
| A    | .018    | .028       | 0.46    | 0.71    |
| B    | ---     | .070 typ.  | ---     | ---     |
| C    | ---     | .125 typ.  | ---     | ---     |
| D    | .290    | .330       | 7.37    | 8.38    |
| E    | ---     | .825       | ---     | 20.95   |
| F    | .390    | .420       | 9.90    | 10.67   |
| G    | .751    | .755       | 19.07   | 19.18   |
| H    | ---     | .032 typ.  | ---     | ---     |
| I    | ---     | 1.0        | ---     | 25.4    |
| J    | ---     | .11 typ.   | ---     | ---     |
| K    | .250    | ---        | 6.35    | ---     |

| Dim. | Inches  | Millimeter |         | Notes   |
|------|---------|------------|---------|---------|
|      | Minimum | Maximum    | Minimum | Maximum |
| L    | ---     | .125 Typ.  | ---     | ---     |
| M    | ---     | .187 Typ.  | ---     | ---     |
| N    | ---     | .830       | ---     | 21.08   |
| O    | ---     | .930       | ---     | 23.62   |
| P    | ---     | .135       | ---     | 3.43    |
| Q    | 1.177   | 1.197      | 29.90   | 30.40   |
| R    | .151    | .161       | 3.84    | 4.10    |
| S    | ---     | 1.20       | ---     | 30.48   |
| T    | ---     | .125 typ.  | ---     | ---     |
| U    | .340    | .400       | 8.64    | 10.16   |
| V    | ---     | 1.10       | ---     | 27.94   |
| W    | ---     | .875       | ---     | 22.83   |

# MY100X — MY400X

Microsemi  
Catalog Number

MY100X  
MY200X  
MY300X  
MY400X

Repetitive Peak  
Reverse Voltage

100V  
200V  
300V  
400V

- Glass Passivated Die
- Hermetically sealed
- Fast Recovery
- 175°C Junction temperature
- 2000VDC Isolation voltage

## Electrical Characteristics

DC forward current output  
Maximum Surge Current  
Maximum  $I^2t$  For Fusing  
Max. Peak Forward Voltage per leg  
Max. Peak Reverse Current  
Max. Peak Reverse Current  
Maximum Reverse Recovery Time

$I_o$  25A  
 $I_{FSM}$  150 Amps  
 $I^2t$  93A<sup>2</sup>s  
 $V_{FM}$  1.3 Volts  
 $I_{RM}$  10  $\mu$ A  
 $I_{RM}$  3 mA  
 $t_{rr}$  200 nS

$T_C = 110^\circ\text{C}$   
8.3ms, half sine,  $T_C = 110^\circ\text{C}$   
 $I_{FM} = 25\text{A}; T_J = 25^\circ\text{C}$   
 $V_{RM} = 200\text{V}, T_J = 25^\circ\text{C}$   
 $V_{RM} = 200\text{V}, T_J = 150^\circ\text{C}$   
 $I_F = 1\text{A}, I_R = 2\text{A}, I_{REC} = 0.5\text{A}$

## Thermal and Mechanical Characteristics

Storage temperature range  
Operating junction temperature range  
Max thermal resistance per package

$T_{STG}$   
 $T_{OP}$   
 $R_{\theta JC}$

$-65^\circ\text{C}$  to  $+175^\circ\text{C}$   
 $-65^\circ\text{C}$  to  $+175^\circ\text{C}$   
1.0°C/W

# MY100X — MY400X

Figure 1  
Typical Forward Characteristics

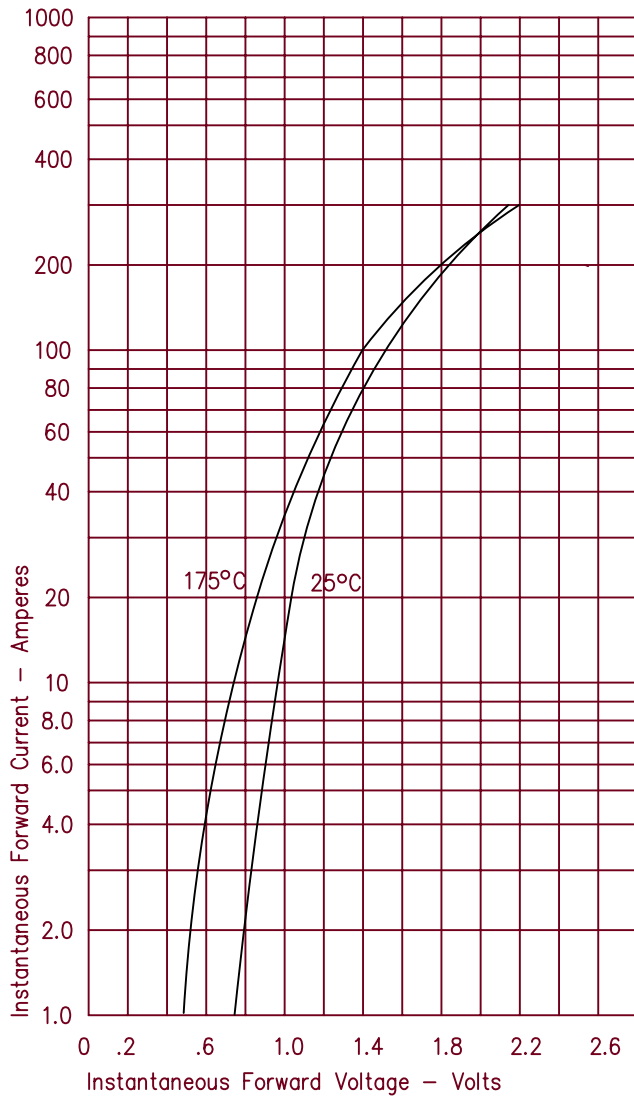


Figure 3  
Forward Current Derating

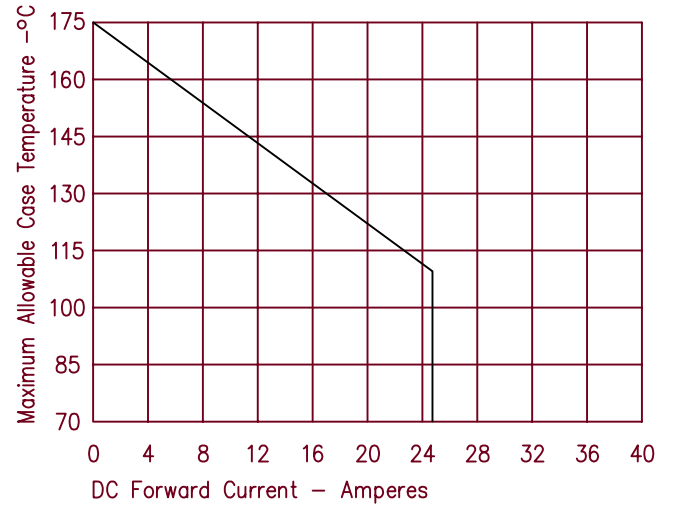


Figure 2  
Typical Reverse Characteristics

