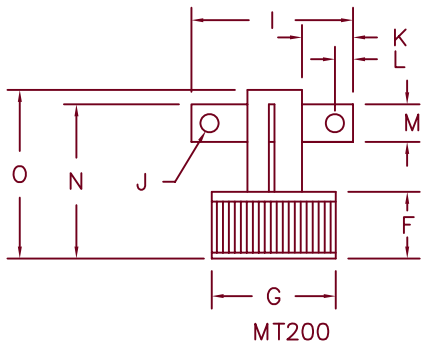
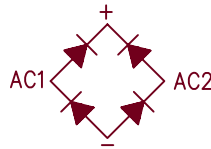
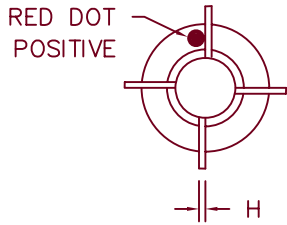
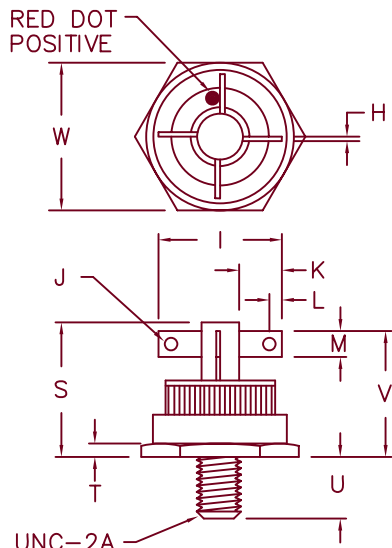
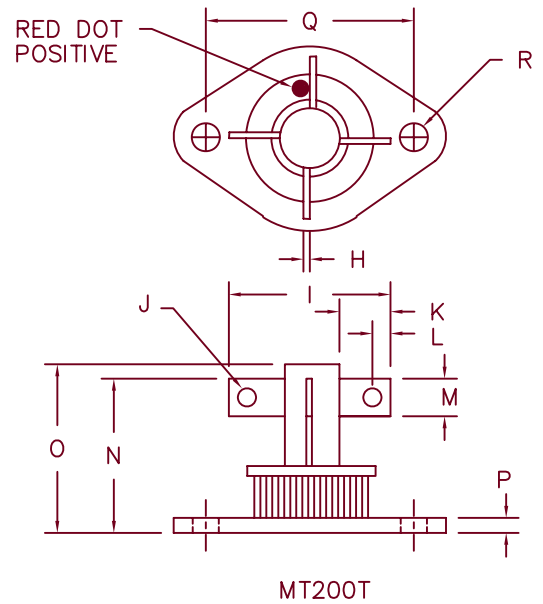


# Single 25A Full Wave Rectifier MT200 — MT800



Note: Electrically Isolated



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
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.	---	---	Dia.
K	.250	---	6.35	---	
L	---	.125 Typ.	---	---	
M	---	.187 Typ.	---	---	
N	---	.830	---	21.08	

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

# MT200 — MT800

Microsemi  
Catalog Number

MT200  
MT400  
MT600  
MT800

Repetitive Peak  
Reverse Voltage

200V  
400V  
600V  
800V

- Glass Passivated Die
- Hermetically sealed
- Soft Recovery
- 200°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

$I_o$  25A  
 $I_{FSM}$  200 Amps  
 $I^2t$  165A<sup>2</sup>s  
 $V_{FM}$  1.3 Volts  
 $I_{RM}$  10  $\mu$ A  
 $I_{RM}$  1.0 mA

$T_C = 130^\circ\text{C}$   
8.3mS, half sine,  $T_C = 130^\circ\text{C}$   
 $I_{FM} = 25\text{A}; T_J = 25^\circ\text{C}$   
 $V_{RM}$  rated,  $T_J = 25^\circ\text{C}$   
 $V_{RM}$  rated,  $T_J = 150^\circ\text{C}$

## 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  $+200^\circ\text{C}$   
 $-65^\circ\text{C}$  to  $+200^\circ\text{C}$   
1.0°C/W

# MT200 – MT800

Figure 1  
Maximum Forward Characteristics

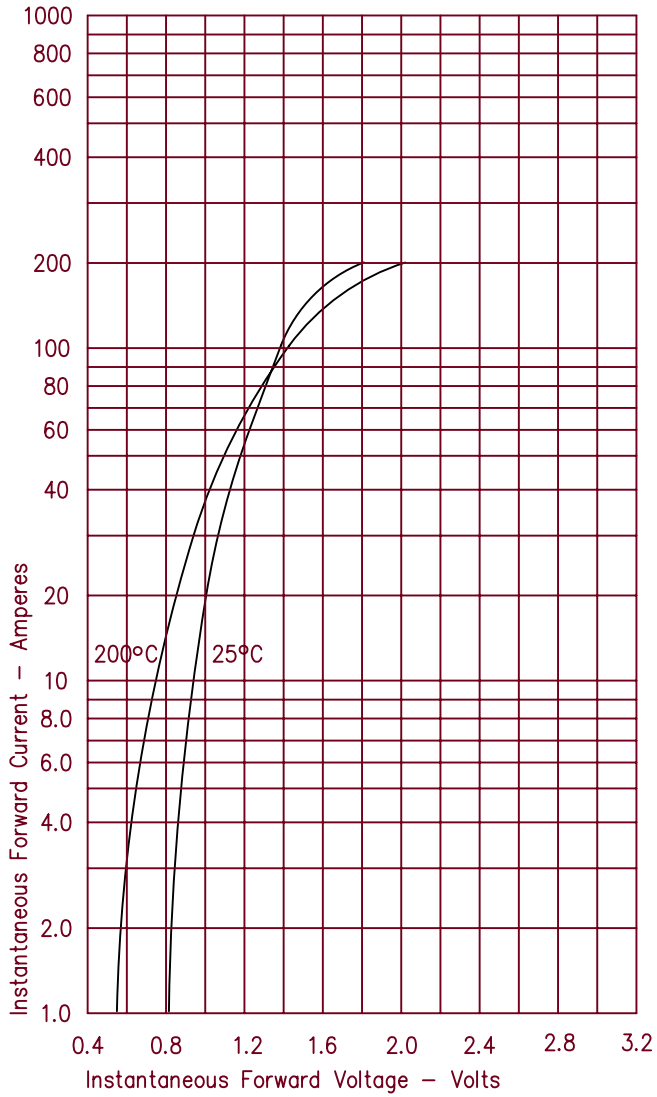


Figure 3  
Forward Current Derating

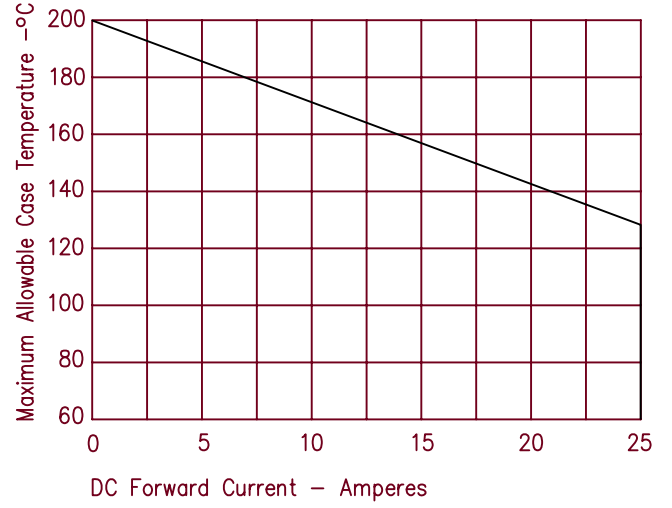


Figure 2  
Typical Reverse Characteristics

