

35A BRIDGE RECTIFIERS

35A 桥式整流器

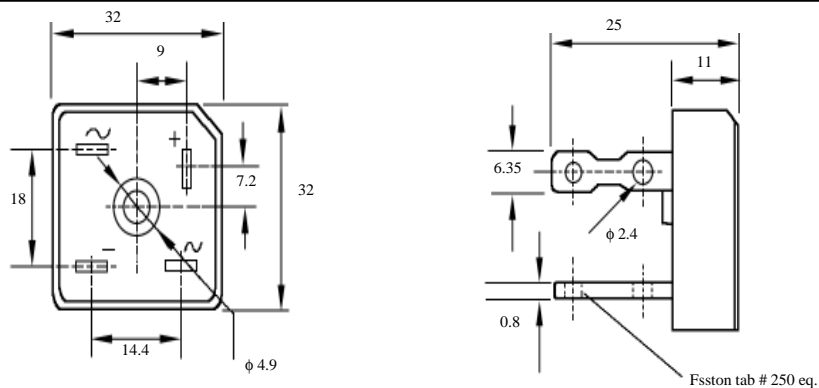
35A BRIDGE RECTIFIERS

最大额定值 Absolute MAX rating

| 项目 Description | 符号 Symbols | 条件 Conditions | 额定值 Ratings | 单位 Unit |
|---|---------------|---|----------------|------------|
| 贮存温度 Storage Temperature | T_{STG} | | -55 ~ +175 | °C |
| 结温 Operating Junction Temperature | T_J | | 150 | °C |
| 最大反向电压 MAX reverse Voltage | V_{RM} | | | |
| MP351 | | | 100 | V |
| MP352 | | | 200 | |
| MP354 | | | 400 | |
| MP356 | | | 600 | |
| MP358 | | | 800 | |
| MP3510 | | | 1000 | |
| 平均正向整流电流 Average rectified Forward Current | I_O | 50Hz Sine wave resistance load $T_c = 55^\circ\text{C}$ 50Hz 正弦波电阻负载 | 35 | A |
| 浪涌电流 Surge Current | I_{FSM} | Non-repetitive 50Hz 10ms Sine wave $T_J = 25^\circ\text{C}$ 不重复 50Hz 10ms 正弦波 | 300 | A |
| 绝缘强度 Dielectric strength | Vdia | Terminals to case AC 1 minute 端子与管壳间 AC1 分钟 | 2 | KV |

 电性特征 Electrical characteristics $T_a = 25^\circ\text{C}$

| | | | | |
|-----------------------------------|----------|---------------------------|----------|---------------|
| 正向电压 Forward Voltage | V_F | $I_F = 17.5\text{A}$ | Max 1.05 | V |
| 反向漏电电流 Reverse leakage current | I_R | $V_R = V_{RM}$ | Max 10 | μA |
| 热阻 Thermal resistance | Q_{JC} | 结点管壳间 Junction to Case | Max 1.5 | °C/W |



外形尺寸
Outline dimensions

MP351-MP3510

35A 桥式整流器额定值与特性曲线

35A BRIDGE RECTIFIERS RATING & CHARACTERISTIC CURVES

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

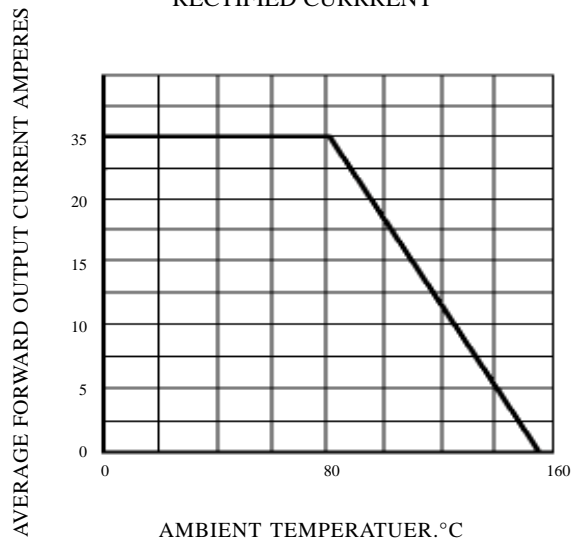


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER BRIDGE ELEMENT

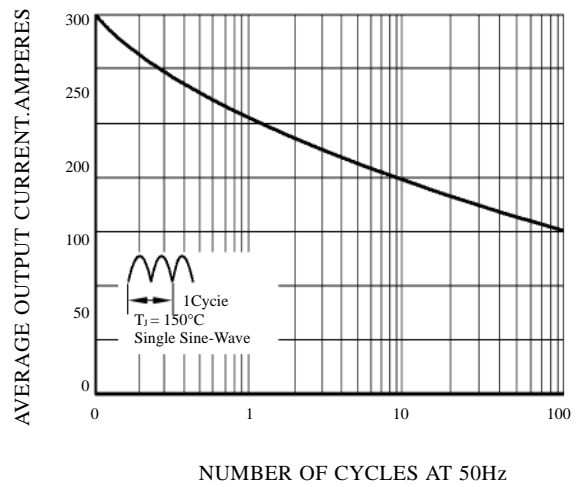


FIG. 3 - TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

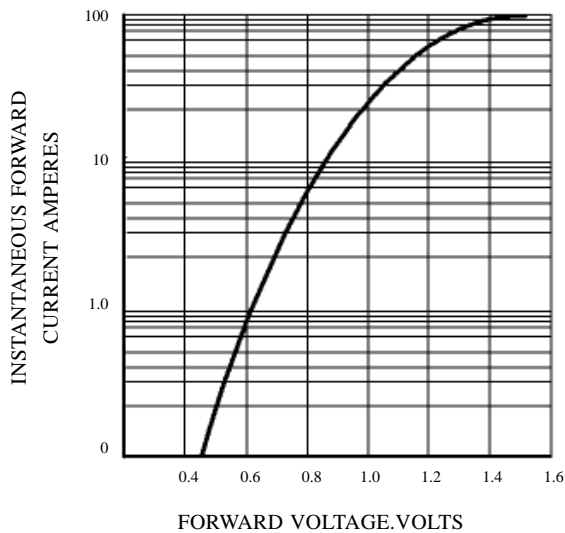


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

