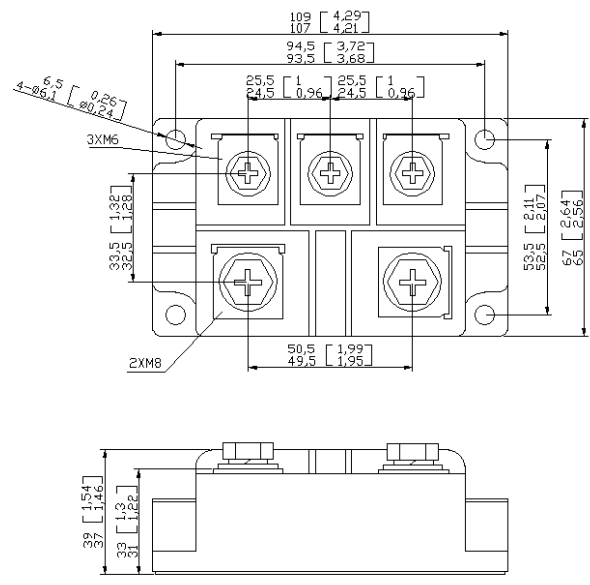


Three Phase Bridge Rectifier

<p>特征/Features</p> <ul style="list-style-type: none"> ◆ 玻璃钝化芯片 Glass passivated chip ◆ 低反向漏电流 Low Reverse Leakage Current ◆ 高耐浪涌电流能力 High surge current capability ◆ 热传导经DBC与金属底板隔离，安全性好、低热阻 Heat transfer through aluminum oxide (DBC) ceramic isolated metal baseplate, High security, Low thermal resistance ◆ 接线端与壳体间绝缘耐压2500V Case to Terminal Isolation Voltage 2500V 	<p>外形尺寸/Outline Dimensions</p> <p>Case: MDS</p>  <p>Dimensions in millimeters and (inches)</p>
<p>机械参数/Machanical Data</p> <ul style="list-style-type: none"> ◆ 标识/极性：本体标记 Marking / Polarity: Marked on Body ◆ 重量：约 520 克 Weight: About 520 grams 	

极限值/Maximum Ratings and Thermal Characteristics @ Ta = 25°C unless otherwise noted

符号 Symbol	特性 Characteristic	MDS150IB***					单位 Unit
		120	140	160	180	200	
V _{RRM}	最大反向重复峰值电压 Maxmum Recurent Peak Reverse Voltage	1200	1400	1600	1800	2000	V
I _{F (AV)}	平均整流输出电流 Average Forward Output Rectified Current@Ta =90°C	150					A
V _F	正向峰值电压 Forward Voltage Per Leg @IFM =150A	1.4					V
I _{FSM}	正向浪涌电流 Peak Forward Surge Current 10ms Single Half Sine-wave superimposed on rated load	1900					A
I _R	反向漏电流 Maximum DC reverse current at rated Ta = 25°C DC blocking voltage per leg Ta = 125°C	10 1000					uA
i ² t	热容值 Rating for fusing (t=10ms)	18050					A ² S
V _{isol}	绝缘耐压 Rms isolation voltage from case to leads	2500					V
R _{θJC}	热阻 Maximum thermal resistance per leg	0.17					°C/W
T _j , T _{STG}	结温， 存储条件 Operating Junction and storage temperature range	-40~+150					°C

Note:
 (1) Junction to case with heatsink
 (2) Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with # 6 screw ,Recommended torque: 4.5±0.5 N·M

■ 特性曲线 (典型) Characteristics(Typical)

图1: I_o - T_a 曲线
FIG1: I_o - T_a Curve

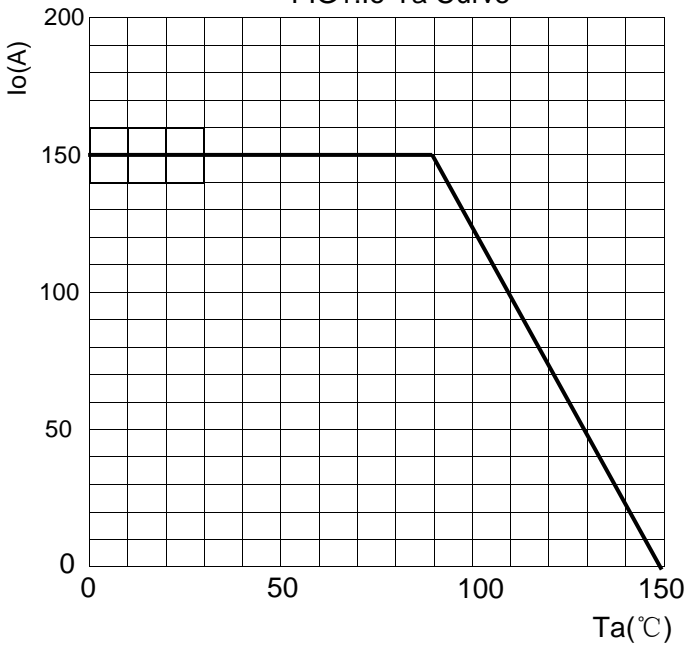


图2: 耐正向浪涌电流曲线
FIG2:Surge Forward Current Capadility

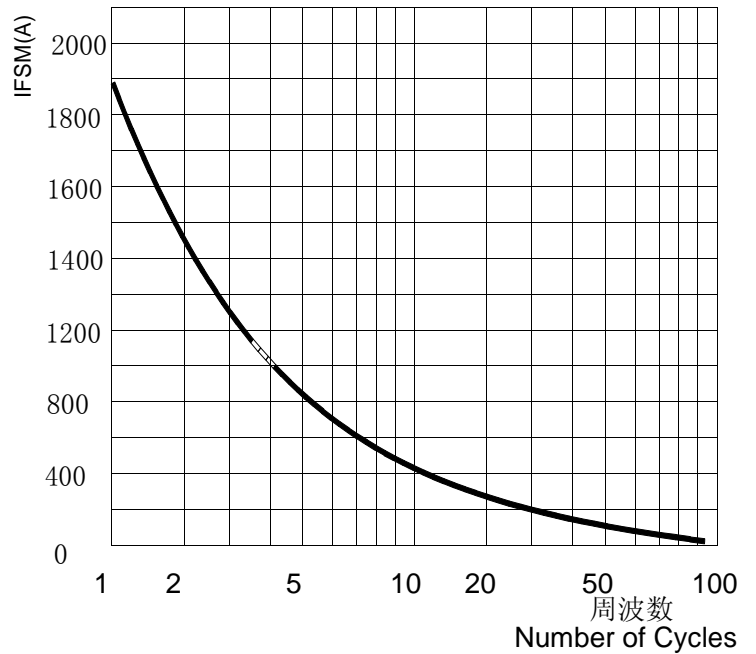


图3: 正向电压曲线
FIG3:Instantaneous Forward Voltage

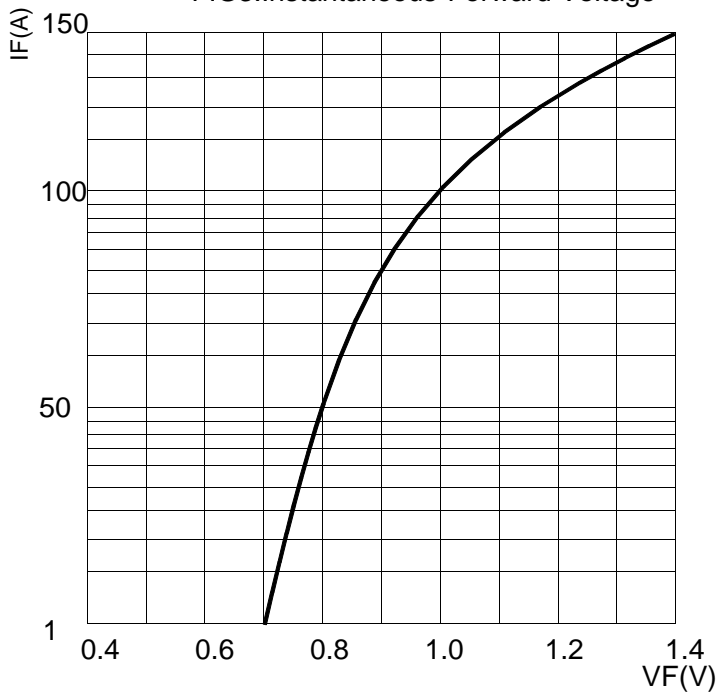


图4: 反向电流曲线
FIG4:Typical Reverse Characteristics

