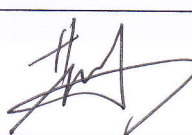



文件名称: MDS60HB 详细规格书				受控印章
文件编号:	RDF065	实施日期:	2013.10.31	
版本号:	1	页码:	1 of 3	
				分发号:

主控印章	其他印章
红色受控印章为有效版本	

版本	更改的章节	修订内容	文件更改通知号	更改人	日期
0 1	全部 全部	新增 更改外形尺寸	/ /	/ 蔡新	/ 2013-10-24

拟制	审核	会签	批准
蔡新 2013.10.24	黄晓艳 2013.10.24	 13.10.24	 2013.10.24

Three Phase Bridge Rectifier

特征/Features	外形尺寸/Outline Dimensions
<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>Case: MDS</p> <p style="text-align: center;">Dimensions in millimeters and (inches)</p>
机械参数/Mechanical Data	
<ul style="list-style-type: none"> ◆ 标识/极性：本体标记 Marking / Polarity: Marked on Body ◆ 重量：约 110 克 Weight: About 110 grams 	

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

符号 Symbol	特性 Characteristic	S60HB***				单位 Unit
		120	160	180	200	
VRRM	最大反向重复峰值电压 Maximum Recurrent Peak Reverse Voltage	1200	1600	1800	2000	V
IF (AV)	平均整流输出电流 Average Forward Output Rectified Current@Ta =90°C	60				A
VF	正向峰值电压 Forward Voltage Per Leg @IFM =60A	1.1				V
IFSM	正向浪涌电流 Peak Forward Surge Current 10ms Single Half Sine-wave superimposed on rated load	800				A
IR	反向漏电流 Maximum DC reverse current at rated DC blocking voltage per leg	10 1000				uA
i ² t	热容值 Rating for fusing (t=10ms)	3200				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	0.22				°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

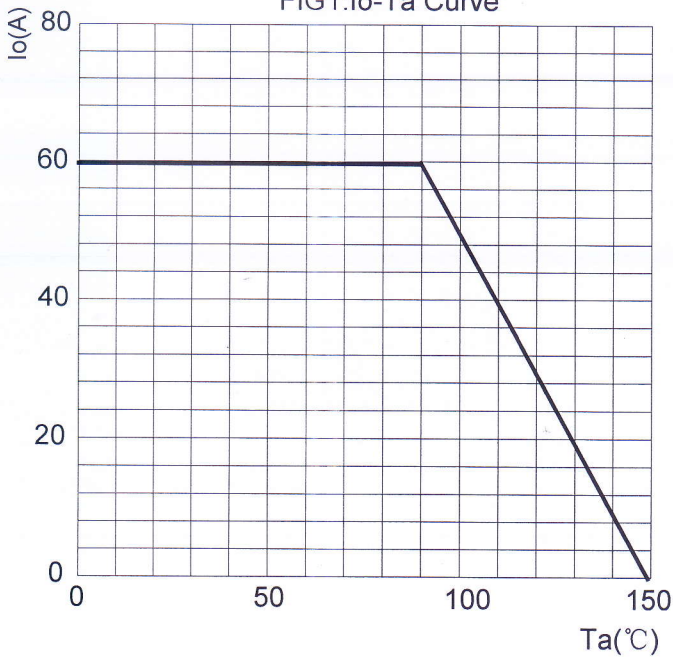


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capacity

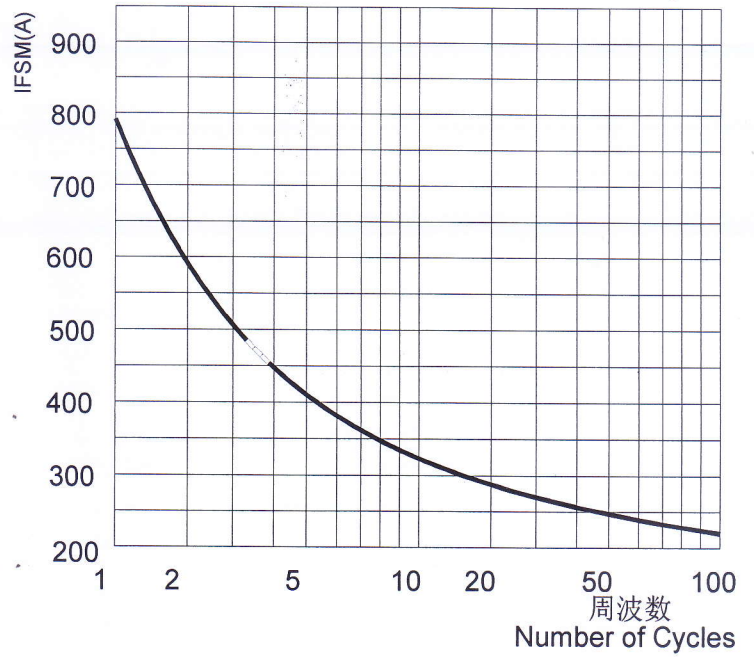


图3: 正向电压曲线
FIG3: Instantaneous Forward Voltage

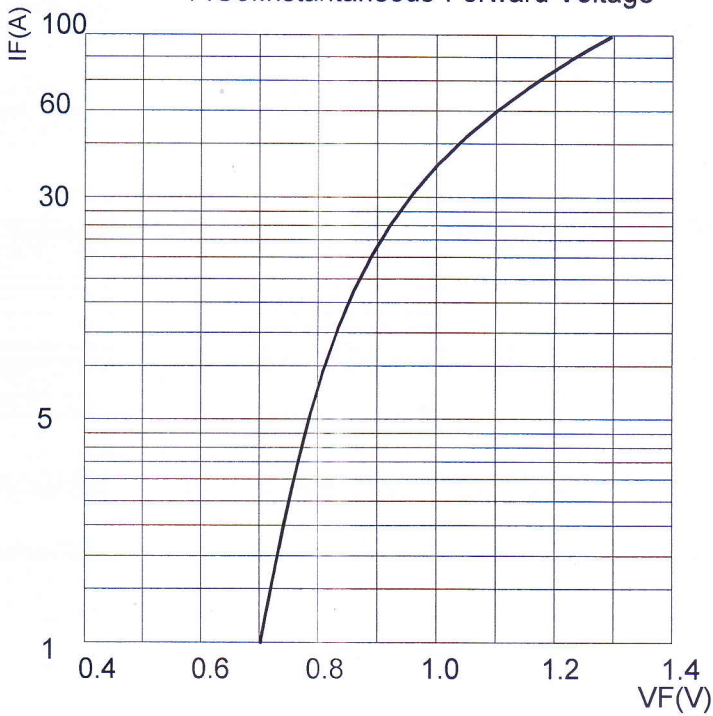


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics

