

扬州三菱电子有限公司
规格书

客户 _____

型号 MDC (A、K) 400

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MDC400 技术资料



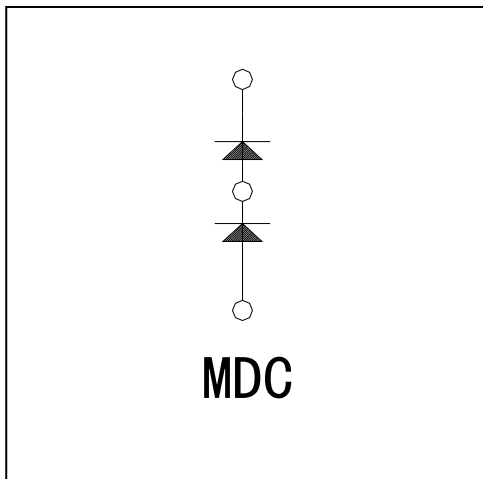
V_{RSM} (V)	V_{RRM} (V)	I_F (AV) =400A (sin 180° Tc=100°C)
900	800	MDC400-8
1300	1200	MDC400-12
1700	1600	MDC400-16
1900	1800	MDC400-18
2100	2000	MDC400-20
2500	2400	MDC400-24

特点:

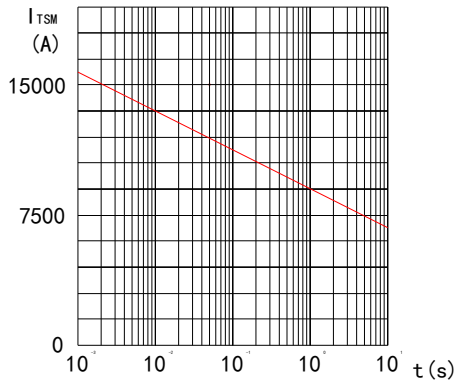
- 金属化三氧化二铝陶瓷绝缘,传热性好。
- 压接工艺,有利于可靠性。

典型应用:

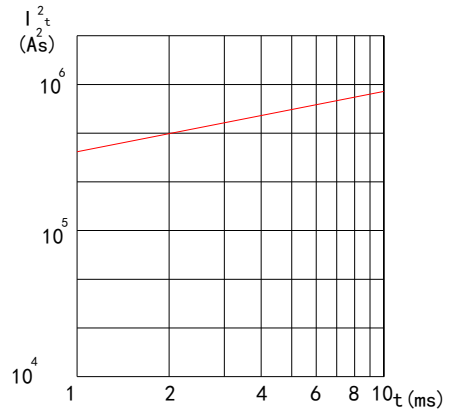
- 变频器
- 开关电源
- 电焊机



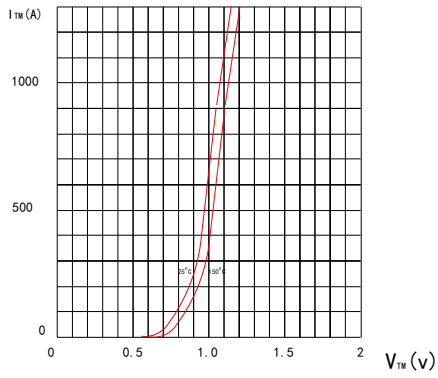
I_F (AV)	Tc=100°C, 正弦半波	400	A
I_{FSM}	Ta=25°C, 10ms, 0.6V _{RRM}	13500	A
I^2t	Ta=25°C, 10ms	0.005 × 13500 ²	A ² S
V_{FM}	I _{FM} =1200A, Ta=25°C	1.20	V
V_{FO}	Tj=150°C	0.72	V
r_F	Tj=150°C	0.36	mΩ
I_{R1}	Ta=25°C, V _{RRM}	50	μA
I_{R2}	Ta=150°C, V _{RRM}	8	mA
Rjc		0.05	°C/W
Rcs		0.04	°C/W
Tstg		-40~+150	°C
Viso	Ac,50HZ,正弦波,1min	2500	V
Ms	散热器安装力矩	8	N•m
Mt	电极端子安装力矩	12	N•m



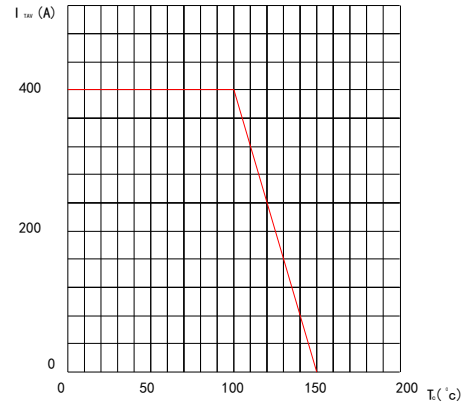
MDC400 浪涌电流曲线



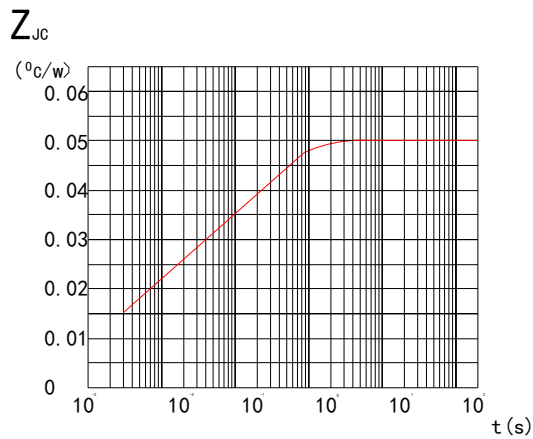
MDC400 I^2-t 曲线



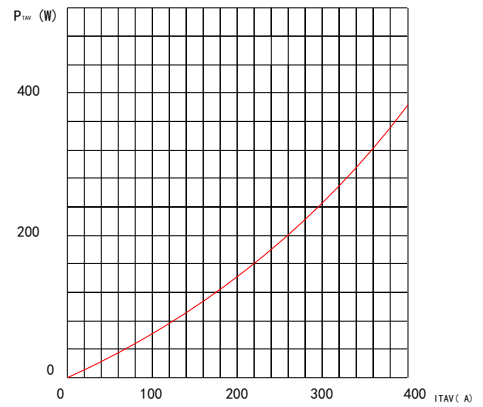
MDC400 通态压降曲线



MDC400 温度负载曲线



MDC400 瞬态热阻曲线



MDC400 每个芯片耗散功率曲线

