EVVOSEMI®
THINK CHANGE DO

Product Specification

Domestic Part Number	36MT160
Overseas Part Number	36MT160
Equivalent Part Number	36MT160

36A 1000V-1600V 三相玻璃钝化整流桥

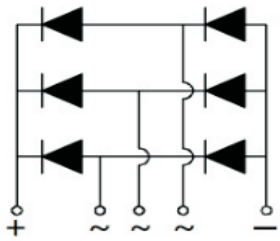
■特征 Features

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

关键参数 KEY PARAMETERS		
参数 PARAMETER	数值 VALUE	单位 UNIT
$I_{F(AV)}$	36	A
V_{RRM}	1000-1600	V
I_{FSM}	500	A
Package	D-63	

■应用范围 Applications 变频器

Frequency converter
工业电源
Industria power supply



■机械参数 Mechanical Data

本体：MT
Case: MT
极性：极性符号铸在管体上
Polarity: Polarity symbols being marked on body
安装扭矩：6.0kgf.cm
Mounting torque: 6.0kgf.cm max
重量：约 18 克
Weight: About 18 grams

■最大额定值 Maximum Ratings @ Ta = 25℃ unless otherwise noted

参数 PARAMETER		符号 SYMBOL	MT	MT		单位 UNIT
反向重复峰值电压 Maximum recurrent peak reverse voltage		V_{RRM}	1000	1200	1600	V
平均整流输出电流 Average rectified output current	带散热片，T_C=85℃ with heatsink, T_C=85℃	$I_{(AV)}$	36			A
最大正向浪涌电流, 8.3ms 单半正弦波叠加在额定负载上 Peak surge forward current, 8.3ms single half sine-wave superimposed on rated load		I_{FSM}	500			A
热容值, 1ms<t<8.3ms, Tj=25℃, 单个二极管 Rating for fusing (1ms<t<8.3ms, Tj=25℃, Rating of per diode		I^2t	1037			A^2s
结温 Junction temperature		Tj	-55 ~ +150			℃
存储温度 Storage temperature		T_{STG}	-55 ~ +150			℃
绝缘耐压, 端子与外壳之间外加交流电 1 分钟 Dielectric strength, terminals to case AC 1 minute		V_{dis}	2.5			KV

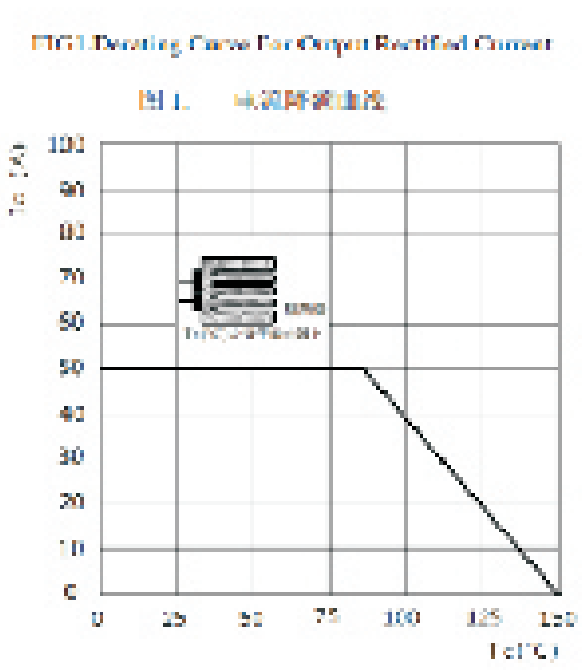
■电性特性 Electrical Characteristics @ Ta = 25℃ unless otherwise noted

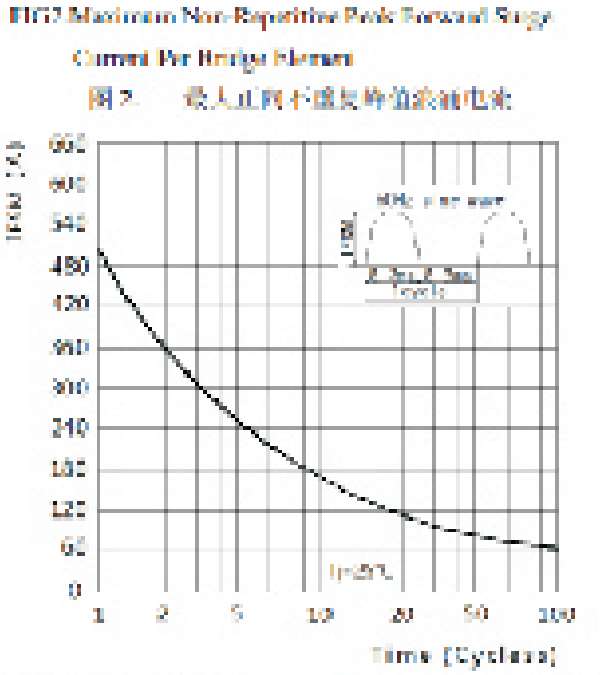
参数 PARAMETER	条件 CONDITIONS		符号 SYMBOL				单位 UNIT
正向峰值电压 Peak Forward Voltage	I_F = 25 A		V_F	1.1		1.2	V
反向峰值电流 Peak Reverse Current	VR=VRRM，脉冲测试，单个二极管的额定值 VR=VRRM，Pulse measurementRating of per diode	Tj=25℃	I_R	5			μA
		Tj=125℃		500			

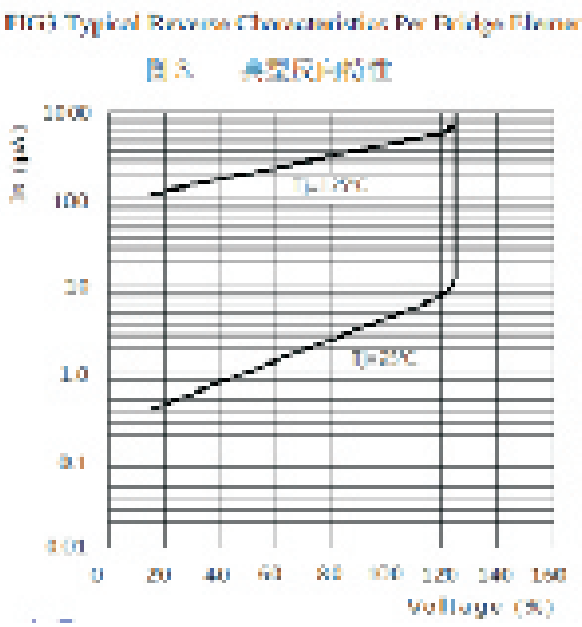
■热特性 Thermal Characteristics @ Ta = 25℃ unless otherwise noted

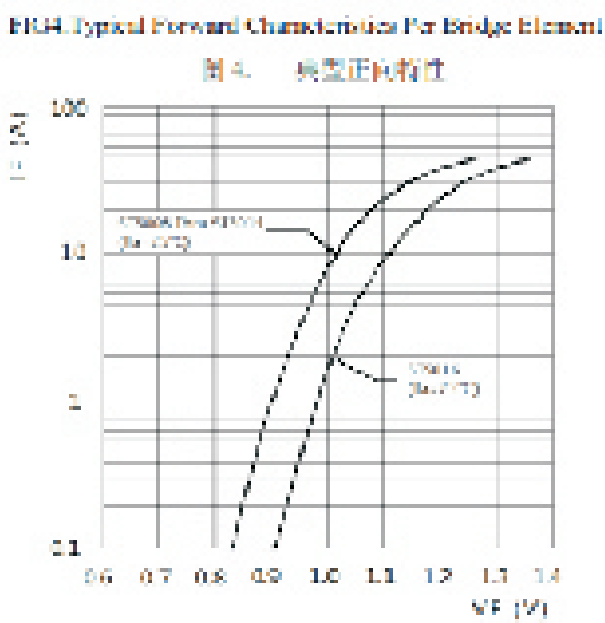
参数 PARAMETER	符号 SYMBOL	额定值 RATED VALUE	单位 UNIT
结到环境的热阻，无散热片 Junction to ambientthermalresistance，without heatsink	$R_{\theta JA}$	26	℃/W
结到管壳的热阻，有散热片 Junction to casethermalresistance，with heatsink	$R_{\theta JC}$	0.8	℃/W

■特性曲线 Characteristic Curve

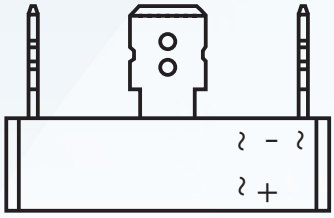








■标记图 Marking Diagram



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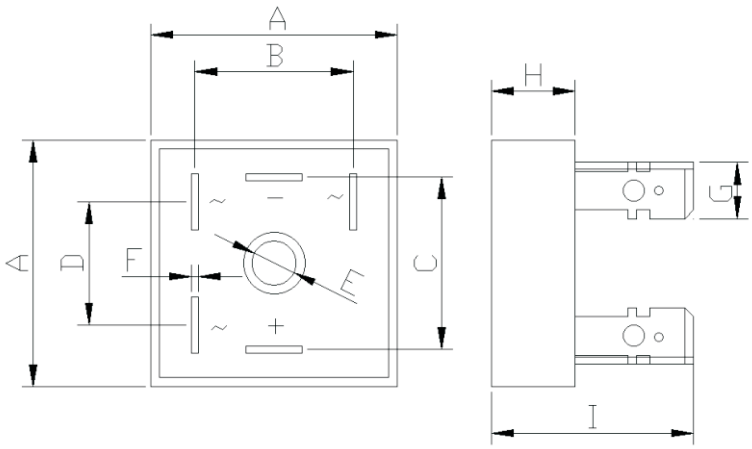
Marking code

■尺寸图 Dimension Drawing



Dim.	Unit(mm)		Unit(inch)	
	Min.	Max.	Min.	Max.
A	28.00	29.00	1.102	1.142
B	23.70	24.70	0.933	0.972
C	23.70	24.70	0.933	0.6972
D	15.50	16.50	0.610	0.650
E	4.50	5.50	0.177	0.217
F	0.60	1.00	0.024	0.039
G	6.10	6.50	0.240	0.256
H	9.50	10.50	0.374	0.413
I	21.30	23.30	0.839	0.917

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