



规格承认书

SPECIFICATION FOR APPROVAL

型号 (Model) : DMJ-PS

规格 (Spec.) : 480uF±10% 450V.DC

尺寸 (Size) : 57.5×130×58

版本号 Version	更改说明 Description	日期 Date
A/0	初始版本	2022-02-11

编制 MADE	审核 CHECKED	批准 APPROVED	客户承认 APPROVED
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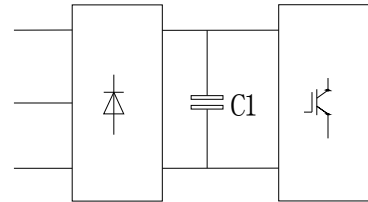
Application

- Widely used in DC-Link circuit for filtering energy storage
- Can replace electrolytic capacitors, better performance and longer life
- Wind power, photovoltaic power inverter; electric vehicles and hybrid vehicles; welding equipment ,power supplies and induction heating equipment, for the DC link filter

Features

- RoHS compliant

Standards: IEC61071



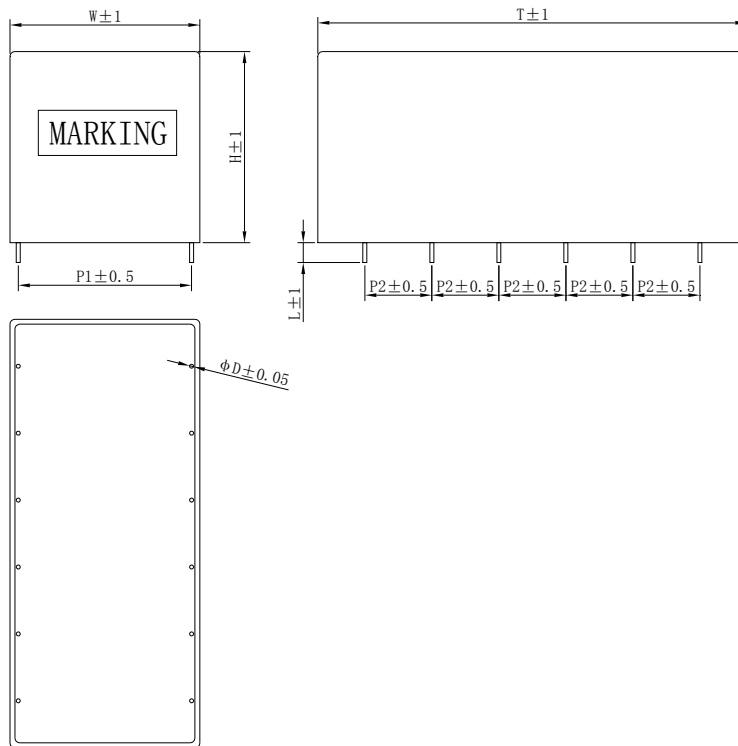
Rectifier circuit

IGBT / GTO

DC Link Capacitance (C1)

Outline drawing

Unit:mm



Specification & size

C _N (μ F)	U _N (V.DC)	(mm)						
		W	T	H	P1	P2	φ D	L
480	450	57.5	130	58	52.5	20.3	1.2	4

Technical data

额定容量	Rated capacitance	C_N	480 μ F \pm 10%
额定电压	Rated voltage	U_N @70°C	450V.DC
		U_N @85°C	450V.DC
纹波电压	Max. ripple voltage	U_r	\leq 15% U_N
浪涌电压	Non-recurrent surge voltage	U_s	675V
额定能量	Rated energy	W_N	48.6Ws
工作电流	Maximum current	I_{rms}	79.5A @10KHz,70°C
电压爬升率	Voltage climb rate	Dv/dt	14V/ μ S
峰值电流	Maximum peak current	\hat{I}	6.72KA
浪涌电流	Maximum surge current	I_s	20.16KA
等效串联电阻	Series resistance	ESR	\leq 0.9m Ω @10KHz,70°C
损耗角正切值	Tangent of the loss	tan δ	0.0048(@25°C 1KHz)
自感	Self inductance	L_e	1nH/mm pitch & lead length used
自放电常数	Self discharge time const.	$C \times R_{is}$	\geq 10000S (100V.DC 60S)
运行温度	Operating temperature		-40~105°C
存储温度	Storage temperature	\ominus storage	-40~105°C
工作寿命	Service life	at \ominus hotspot	100000h @1.0 U_N ,70°C
失效率	Failure quota		10 fit (\leq 1 \times 10 ⁻⁹ /h) at 0.5 \times U_N , 40°C
Test data			
极间耐压	Voltage test between terminals	V_{tt}	1.5 U_N /10S
极壳耐压	A.C. voltage test terminal/container	V_{t-c}	3000V.AC/60S
工作海拔高度	Operating altitude		3500m(max)