

Serie CMLF

Condensatori snubber IGBT *Snubber IGBT capacitors*

Condensatori progettati specificamente per circuiti di soppressione e risonanza, impulsi e carichi elevati grazie alla metallizzazione a doppio lato.

Capacitors specifically designed for snubber and resonance circuits, pulse and high loads due to double sided metallization.



MECO S.r.l.

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IMQ



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Caratteristiche tecniche

Technical details

Tensione nominale DC (U_{NDC}) <i>Rated DC voltage (U_{NDC})</i>	700, 850, 1000, 1200, 1500, 2000, 2500, 3000
Range capacità <i>Capacitance range</i>	0,047 μ F -> 12 μ F
Tolleranza capacità <i>Capacitance tolerance</i>	$\pm 10\%$
Fattore dissipazione (DF) <i>Dissipation factor (DF)</i>	Tg δ x10-4, 1kHz
Dispositivo di sicurezza <i>Safety device</i>	NO
Categoria climatica <i>Climatic category</i>	40/85/56
Temperatura massima d'esercizio - θ_{max} <i>Maximum operating temperature -θ_{max}</i>	85°C
Temperatura minima d'esercizio - θ_{min} <i>Minimum operating temperature -θ_{min}</i>	-40°C
Tensione di prova <i>Test voltage</i>	tra i terminali: 1,6U _N /10" verso massa: 3kV/60" <i>between terminals: 1,5U_N/10"</i> <i>between terminals and case: 3kV/60"</i>
Terminali <i>Terminals</i>	Piastrine capocorda in rame stagnato (ottone) (senza piombo) <i>Tinned copper (brass) lugs (lead-free)</i>
Corrente massima terminali <i>Maximum terminal current</i>	100A
Materiale contenitore <i>Case material</i>	Plastica V0 autoestinguente UL94 <i>UL94 Self-extinguishing V0 plastic</i>
Grado di protezione <i>Protection degree</i>	IP00
Norma di riferimento <i>Reference standard</i>	IEC 61071-1 IEC 60068-1
Aspettativa di vita <i>Life expectancy</i>	≥ 100000 h
Umidità relativa <i>Relative humidity</i>	93 $\pm$ 2%
Altitudine <i>Altitude</i>	≤ 2000 mslm masl

Principali applicazioni

- Comandi motore (controllo velocità motore CA)
- Sistemi UPS
- Inverter/Convertitori
- Forni a microonde
- Auto elettriche
- Alimentatori switching
- Commutazione SCR (raddrizzatore controllato al silicio)
- Saldatura e attrezzature per saldatura ad arco

Main applications

- Motor controls (AC Motor Speed Control)
- UPS Systems
- Inverters/Converters
- Microwave ovens
- Electric cars
- Switch Mode Power Supplies
- SCR Commutation (Silicon Contolled Rectifier)
- Welding, Arc/Welding Equipment

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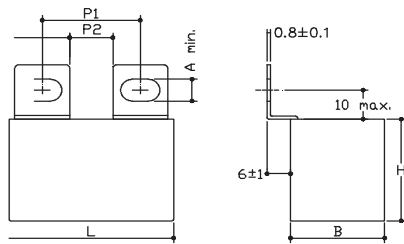
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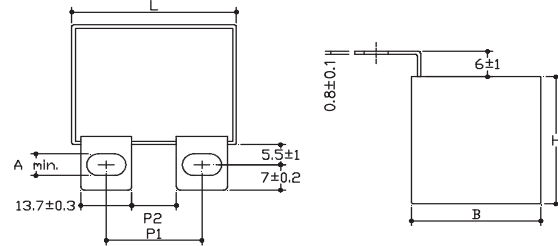
Condensatori snubber IGBT

Snubber IGBT capacitors

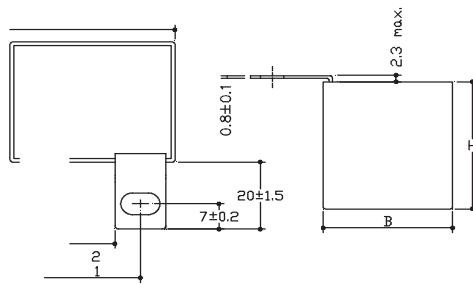
Type SP-SPM8 / SR-SRM8



Type VP-VP8 / VR-VRM8



Type FP-FPM8 / FR-FRM8



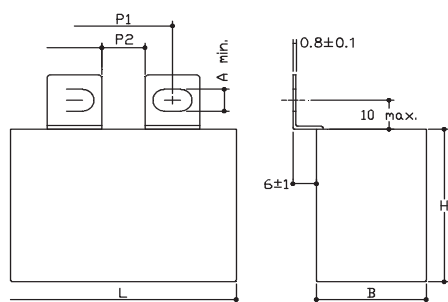
Fixing pitch and distance between lugs (mm)

Lugs style	L	P1	P2
SP-SPM8	42÷42,5	23÷28(M6) 25÷26(M8)	11min.
VP-VP8	57,5	37÷42(M6) 39÷40(M8)	24min.
FP-FPM8	42÷42,5	20÷25(M6) 22÷23(M8)	8min.
VR-VRM8	57,5	34÷39(M6) 36÷37(M8)	21min.

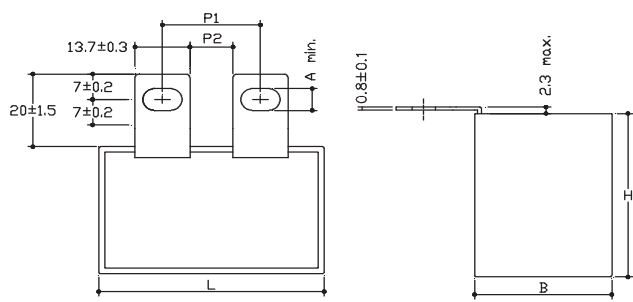
Fixing slot size (mm)

SP, VP, FP, SR, VR, FR	A= 6min.
SPM8, VPM8, FPM8, SRM8, VRM8, FRM8	A= 8min.

Type SN-SNM8 (for L=57,5mm only)



Type VN-VNM8 (for L=57,5mm only)



Fixing pitch and distance between lugs (mm)

L	P1	P2
42÷42,5	Not available	
57,5	23÷28 (M6) 25÷26 (M8)	11min.

Fixing slot size (mm)

SN, VN	A= 6min.
SNM8, VNM8	A= 8min.

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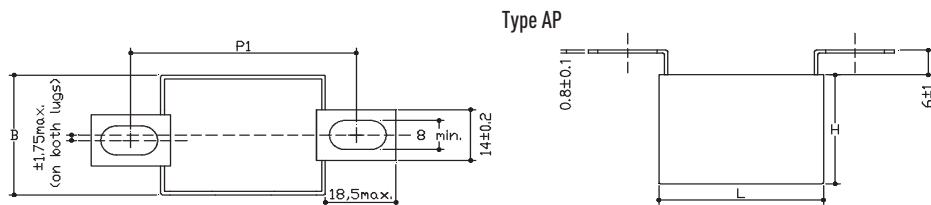
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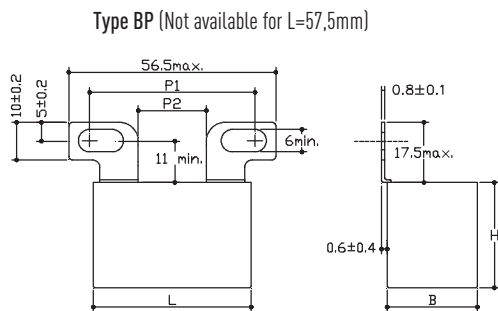
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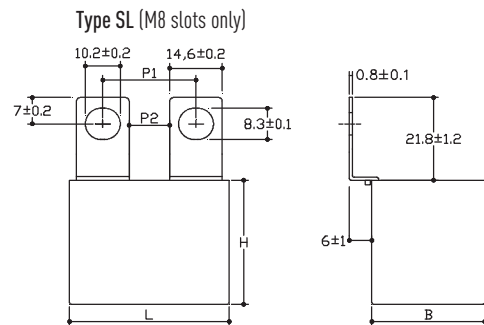
Snubber IGBT capacitors



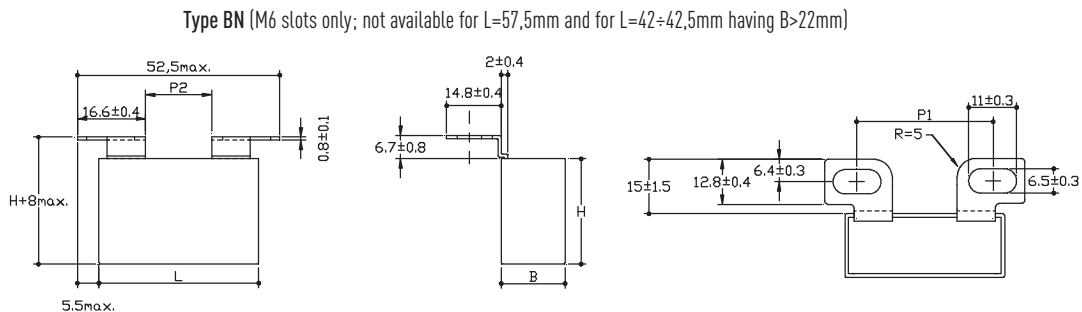
Fixing pitch and distance between lugs (mm)			
Lugs style	L	P1	P2
AP	42÷42,5	53,5÷63 (M8)	-
	57,5	68,5÷77 (M8)	-



Fixing pitch and distance between lugs (mm)			
Lugs style	L	P1	P2
BP	42÷42,5	32÷45 (M6)	17 min.
	57,5	Not available	



Fixing pitch and distance between lugs (mm)			
Lugs style	L	P1	P2
SL	42÷42,5	22÷24 (M8)	8 min.
	57,5	36÷38 (M8)	21 min.



Fixing pitch and distance between lugs (mm)			
Lugs style	L	P1	P2
BN	42÷42,5	30÷37 (M6)	15 min.
		Not available for B>22	
	57,5	Not available	

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