656 Series

Molded Base PC Mount Fuse Block For 5×20mm Fuses





Web Resources



Download ECAD models, order samples, and find technical recources at www.littelfuse.com/656



Download ECAD models, order samples, and find technical recources at www.littelfuse.com/660



Download ECAD models, order samples, and find technical recources at www.littelfuse.com/659

Agency Approval

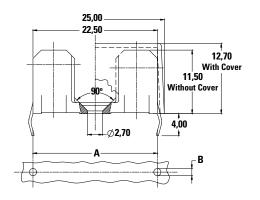
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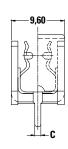
Product Characteristics

Compatible Fuse Size	<u>5×20mm</u>	
Materials	Holder: Black Thermoplastic UL94 V-0	
	Metal Parts: Tin plated copper alloy	
	Rated Voltage: VDE 500 VAC UL 500 VAC/DC	
	Rated Current: 30 A (UL)/10 A (VDE)	
Electrical Data	Rated Power Acceptance (at ambient air temp 23 °C): - 4 W without cover - 4 W with 660 cover - 2.5 W with 659 cover	
Mounting	656: Solder pins 0.4mm×1.1mm Ø 2.7mm screw hole may be used optionally	
Operating Temperature	emperature -40 °C to +85 °C	
Climatic Category 40/085/21 according to IEC 60068-		
Stock Conditions	0 °C to 60 °C, at max. 70% relative humidity	
Vibration Resistance	According to IEC 60068-2-6, Test Fc	
Contact Resistance	<5 mΩ	
Dielectric Strength	> 3 kV, 50 Hz, 1 min.	
Impulse withstand Voltage	> 4 kV between life parts	
Insulation Resistance	(500 V DC/1 min): >10 M Ω between live parts of different potentials	
Solderability	245 °C/3 sec. according to IEC 60068-2-20, Test Ta, method 1	
Soldering Heat Resistance	260 °C/10 sec. according to IEC 60068-2-20, test Tb method 1	
Minimum Cross Section	Conducting path - 0.2 mm ²	
Torque/fixing screw	Max. 0.3 Nm	

Note: If used with covers, refer to Fuseology for information on proper fuse block re-rating.

Dimensions





Part Number	"A" Dimension	"B" Dimension	"C" Dimension
65600001009	22.5	1,30 + 0,1/-0	1,10
65600001409	25.0	1,30 + 0,1/-0	1,10
65600201009	22.5	2,50 + 0,1/-0	2,30
65600301009	22.5	2,50 + 0,1/-0	2,30



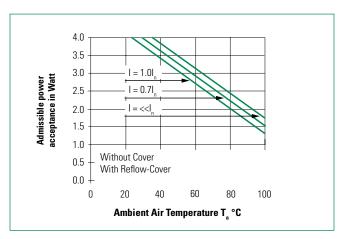
656 Series

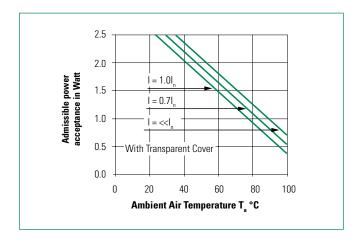
Molded Base PC Mount Fuse Block For 5×20mm Fuses

Ordering Information

Part Number	Description	Packaging	Pieces	UL	VDE
65600001009	Fuse Block - "A" dimension 22.5mm 16 AMP	Bulk Pack	100	16A	10A
65600201009	Fuse Block - "A" dimension 22.5mm 20 AMP	Bulk Pack	100	20A	N/A
65600301009	Fuse Block - "A" dimension 22.5mm 30 AMP	Bulk Pack	100	30A	N/A
65600001409	Fuse Block - "A" dimension 25mm 16 AMP	Bulk Pack	100	16A	10A
65900000009	Fuse Holder Cover - Transparent plastic	Bulk Pack	100	N/A	N/A
66000001009	Fuse Holder Cover - Opaque plastic, suitable for infrared (IR) reflow soldering process	Bulk Pack	100	N/A	N/A

Re-rating Curves

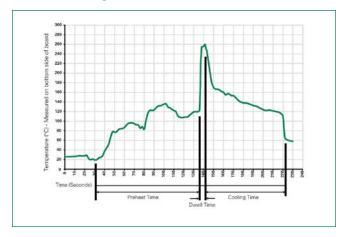




Soldering Parameters-Wave Soldering

Wave Parameter	Lead-Free Recommendation		
Preheat: (Depends on Flex Activation Temperature)	(Typical Industry Recommendation)		
Temperature Minimum	100 °C		
Temperature Maximum	150 °C		
Preheat Time	60-180 seconds		
Solder Pot Temperature	260 °C Maximum		
Solder Dwell Time	2-5 seconds		

Recommended Hand-Solder Parameters: Solder Iron Temperature: 350 $^{\circ}\text{C}$ +/- 5 $^{\circ}\text{C}$ Heating Time: 5 seconds max.



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