Resistors

Fibre Core Conformal Coated Wirewound Resistor







SPP Series

- UL1412 recognised fusing *
- Coated or uncoated units
- Positive high TC's upon request
- Color band standard identification
- Lower ranges available contact factory
- Weldable and solderable magnetic leads
- * UL file number E234469

All Pb-free parts comply with EU Directive 2011/65/EU amended by (EU) 2015/863 (RoHS3)

Negligible

	Electrical Dat	SPP-1		SPP-2		SPP-3		
	IRC Type		SPP	P-1	SPP	_	SP	
ce - Std.	Resistance - Std.		Ω to 1200Ω 0.1Ω to 1200Ω		0.1Ω to 2400Ω 0.1Ω to 2400Ω		0.1Ω to 2400Ω	
gnised F	িনানুভ cognised Range	• •	Ω to 4 70 Ω	470 Ω	1 1 Ω (1)⁄0	tσ470Ω		 -
e - Std.	Tolerance - Std.		±5% ±5% (% (E24), ±10% (E12) (E24), ±10% (E12)			
	Power Rating		1 watt @ watt @4 85t C 1/2 watt @ wa tt e@tin1056	⊉ 105°C ∮ 125°C	2 watt @ 1 watt @ 2 watt			@ 85°C ^{@ 145} 3°Cwatt @ 8 _{@ 190} °C watt @ 1
iting			watt @ 125°C ng to 0 @ 160°C		2 watt @ 85°C ± 10%		3 watt @ 85°C ± Watt @ 1!	
Stability	Max. Continuous Working Voltage Min. Insulation Dry		√PR 1 @ 85°C ± 10%		√PR 2 watt @ 85°C ± 10°		√PR % 3 watt @ 85°C 10,000 Meg	
tinuous	Resistance	Wet	10,000 Meg 100 Meg		10,000 Meg 100 Meg		100 Meg	
/oltage	Min. Dielectric Withstanding Volts	(RMS)	√PR ₆₀₀ ∨		√PR 600V		600V √PR	
lation ce	Current Noise 10,000 Megligible Wet 100 Meg		gible	10,000 Meg 100 Meg		Negligible 10,000 M		
ectric	Temperature Rise at Rated Load, 25°C Ambient		Approx. 150°C 600V		Approx. 200°C 600V		Approx. 225°C 600V	
ding Volt	S (RMS) Temperature Coefficie	nt	±600/°C 0.10Ω - 0.91Ω	±300/°C 1Ω - 1200Ω	±600/°C 0.10Ω - 0.91Ω	±300/°C 1Ω - 2400Ω	±600/°C 0.10Ω - 0.91Ω	±300/°C 1Ω - 2400Ω

General Note

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Unless specified otherwise, standard test centers are specified otherwise, standard test centers are specified otherwise.

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Fibre Core Conformal Wirewound Resistor

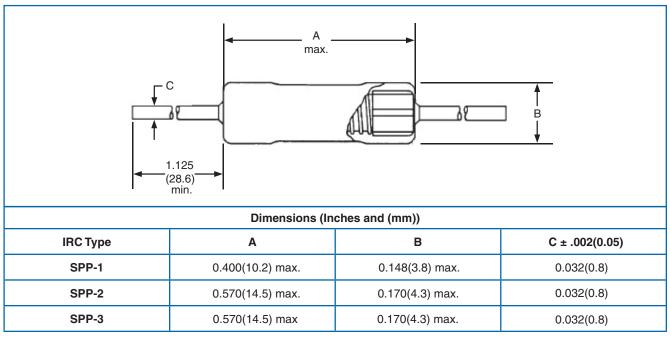


SPP Series

Environmental Data

Characteristics	Maximum Limits				
	SPP-1 ±600/°C 0.10Ω - 0.91Ω ±300/°C 1.0Ω - 1200Ω				
Temperature Coefficient (ppm/°C)	SPP-2 ±600/°C 0.10Ω - 0.91Ω ±300/°C 1.0Ω - 2400Ω				
	SPP-3 ±600/°C 0.10Ω - 0.91Ω ±600/°C 1.0Ω - 2400Ω				
Thermal Shock	±5%				
Low Shock	±5%				
Short Time Overload	±5%				
Commercial Short Time Overload	±5%				
Resistance to Solder Immersion	±3%				
Solderability	95% minimum coverage				
Moisture Resistance	±5%				
Life Test	±5%				
Test Method	EIA Specification RS-344				

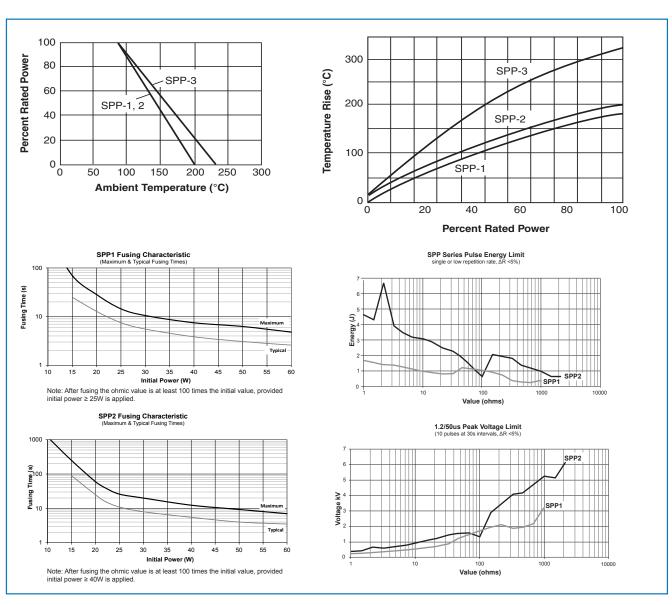
Physical Data



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SPP Series



Ordering Procedure

Example: SPP1UL4700JLF (SPP1, UL recognised, 470 ohms ±5%, Pb-free)



1	2	3	4	5	6	
Туре	UL Status	Value	Tolerance	Packing & Termination Finish	Custom Code	
SPP1	UL = UL recognised	3 digits + multiplier	J = ±5%	Omit for SnPb	Optional	
SPP2	(SPP1 & SPP2 only,	R = ohms for values	K = ±10%	LF = Pb-free		
SPP3	see Electrical Data for applicable values.)	<100 ohms		Standard packing is tape & reel, 4000/reel		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TT Electronics:

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SPP133R0JTR SPP165R0K-152 SPP210R0JTR SPP21R5JTR SPP2R200JTR SPP310R0KTRLF SPP31101JTR

SPP322R0KTRLF SPP347R0JTR SPP347R0JTRLF SPP35R00J SPP3R100J SPP233R0JLFTR

SPP2R200JLFTR SPP133R0JLFTR SPP2UL47R0JLF SPP2UL1500JLF SPP1UL4700JLF SPP1UL68R0JLF

SPP2UL1R50JLF SPP2UL15R0JLF SPP2UL3300JLF SPP2UL2R20JLF SPP2UL4700JLF SPP1UL2200JLF

SPP1UL1R50JLF SPP1UL2R20JLF SPP2UL33R0JLF SPP1UL3R30JLF SPP1UL1500JLF SPP2UL1000JLF

SPP2UL3R30JLF SPP2UL4R70JLF SPP1UL3300JLF SPP2UL2200JLF SPP1UL15R0JLF SPP2UL6R80JLF

SPP1UL47R0JLF SPP1UL22R0JLF
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