Fibre Core Conformal Coated Wirewound Resistor



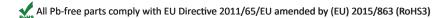


SPP Series

Features

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

Color band standard identification Collider fiate chatamberro E229444693ion





Licotrical Data						
IRC Type	SPP-1		SPP-2		SPP-3	
Resistance - Std.	0.1Ω to 1200Ω		0.1Ω to 2400Ω		0.1Ω to 2400Ω	
UL Recognised Range	1 Ω to 470 Ω		1 Ω to 470 Ω			
Tolerance - Std.	±5% (E24), ±10% (E12)					
Power Rating	1W @ 85°C		2W @ 85°C		3W ² @ 85°C	
Load Life Stability	1 watt @ 85°C ± 10%		2 watt @ 85°C ± 10%		3 watt @ 85°C ± 10%	
Max. Continuous Working Voltage	√PR		√PR		75V	
Min. Insulation Dry Resistance Wet	10,000 Meg 100 Meg		10,000 Meg 100 Meg		10,000 Meg 100 Meg	
Min. Dielectric Withstanding Volts (RMS)	600V		600V		600V	
Current Noise	Negligible		Negligible		Negligible	
PERPERBUCE COEFFICIENT	±600ppm/°C 0.10Ω - 0.91Ω	±300ppm/°C 1Ω - 1200Ω	±600ppm/°C 0.10Ω - 0.91Ω	±300ppm/°C 1Ω - 2400Ω		
emperature Coefficient Ambient Temperature Range	-65 to 160°C					

Notes:

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TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print. BI Technologies IRC Welwyn

www.ttelectronics.com/resistors

Unless specified otherwise, standard test centers are 1 % inches.
 To dissipate full rated power forced air cooling must be provided to restrict the maximum body temperature to 180°C.

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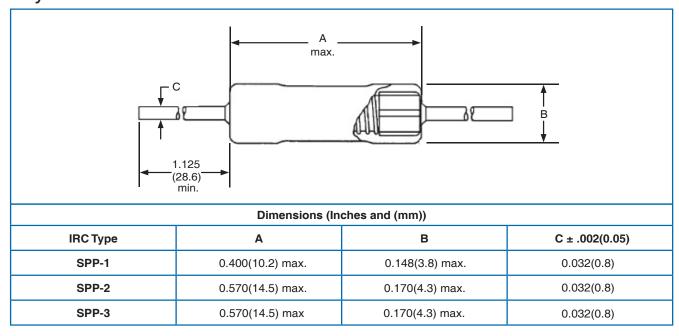


SPP Series

Environmental Data

Characteristics	Maximum Limits		
Thermal Shock	±5%		
Low Temperature Operation	±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



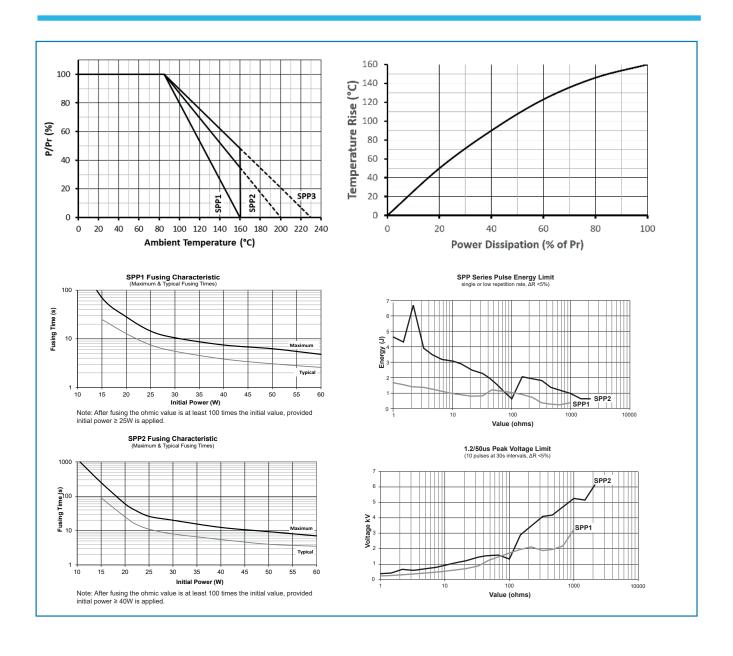
Marking

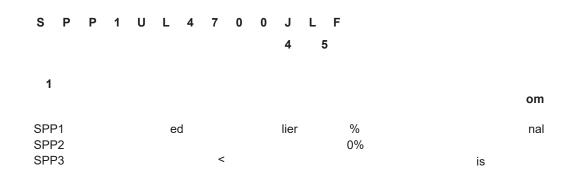
SPP is marked with five colour bands. Two indicate value followed by one for the multiplier, one tolerance band, and a blue band indicating flameproof fusible.

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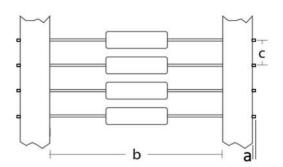


SPP Series

Packaging

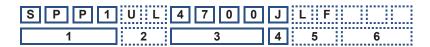
Resistors are supplied taped and reeled (see Ordering Procedure for reel quantities.) The taping dimensions are shown below.

Taping dimensions, inches (mm)					
Туре	a max	b	С		
SPP-1, SPP-2, SPP-3	0.41 (10.4)	2.062±0.062 (52.4±1.6)	0.2±0.015 (5.1±0.4)		



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	