SPP Series

Features

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

Electrical Data

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

600V

		SPP-1	SPP-2	SPP-3		
	IRC Туре	SPP-1	SPP-2	SPP-3		
e - Std:	Resistance - Std.	D. 1Ω to 1200Ω 0.1Ω to 1200Ω	0.1Ω to 2400Ω 0.1Ω to 2400Ω	0.1Ω to 24 0.1Ω to 2400Ω		
gnised F	angecognised Range	Ω to 470 10470 Ω	11ΩΦ 150470Ω			
: - Std.	Tolerance - Std.	±5%	5% (E24), ±10% (E12) (E24), ±10% (E12)			
	Power Rating	1W @ 85°C 1 watt @ 85°C	2W @ 85°C	3₩² @ 85°C 3 watt @ 8		
ting	Load Life Stability 3/	4 watt @tt1055°C ± 10%	² ₩₽ ^{tt} ₩aft ⁵ @ ±140°C	3 watt @ 85°C2 Watt @ 1.		
ung	Max. Continuous 1/ Working Voltage Dera	2 watt @ 12 <u>5°</u> C √PR ting to 0 @ 160°C	√PR	75V 1 watt @ 19		
Stability	Min. Insulation Dry Resistance 1\@	10,000 Meg	10,000 Meg 2 watt ¹ @ M89°C ± 10	10,000 Meg % 100 % % att @ 85 ° C		
tinuous	Min. Dielectric Withstanding Volts (RMS	600V	600V	600V		
/oltage	Current Noise	√PR Negligible	√PR Negligible	√PR Negligible		
ation	Dry Temperature Coefficient Wet	10, <u>4</u>00 μ/μεg ±300ppm/°C μηρΩγγ0, 91Ω 1Ω - 1200Ω		±600ppm/°C ±300 μων000 M 0.10Ω - 0.91Ω 1Ω - 2400 M		
;e	Ambient Temperature Range	.comeg	-65 to 160°C			

ctric

Notes: Notes: 600V Sto dissipate bit we forced air cooling must be provided to restrict the maximum body temperature to 180°C.

General Note



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600V





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.

General Note

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BI Technologies IRC Welwyn



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)

SPP1	UL	4 7 0 0	J	L	F		
1	2	3	4	5		6	ł.

1 Туре	2 UL Status	3 Value	4 Tolerance	5 Packing & Termination Finish	6 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	

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