

S102 SERIES BULK METAL FOIL PRECISION RESISTORS

Features:

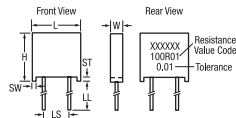
- Bulk Metal® Foil Technology
- High Precision
- Low Temperature Coefficient

Specifications:

- Power Rating: 0.6 W @ 70°C
- Tolerance: $\pm 0.01\%$
- Temperature Coefficient: $< 0.6 \text{ ppm}/^\circ\text{C}$ Nominal, 0°C to $+60^\circ\text{C}$
- Shelf Life Stability: $\pm 25 \text{ ppm}/\text{Year}$
- Load Life Stability: $\pm 50 \text{ ppm}/^\circ\text{C}$ Typical at Full Rated Power for 2000 Hours
- Thermal EMF: $< 0.1 \mu\text{V}/^\circ\text{C}$ Max.
- Rise/Decay Time: 1ns @ 1kO
- Working Voltage: 300 VDC or AC Peak

Applications

- High Precision Amplifiers
- Down-Hole (High Temperature)



- High Precision Instrumentation
- Medical and Test Equipment
- Industrial
- Audio (High End Stereo Equipment)
- EB Applications (Electron Beam Scanning and Recording Equipment, Electron Microscopes)
- Military, Airborne
- Measurement Instrumentation



Mfg. Part No.	Res.	Stock No.	Price Each 1-4+
600 mW, 300 V, $\pm 0.01\%$			
S102C 100R00 0.01%	100ohm	35H5066	20.04
S102C 120R00 0.01%	120ohm	35H5067	15.45
S102C 250R00 0.01%	250ohm	35H5072	12.83
S102C 350R00 0.01%	350ohm	35H5073	15.18
S102C 500R00 0.01%	500ohm	35H5076	13.80
S102C 1K0000 0.01%	1kohm	35H5063	17.36
S102C 2K0000 0.01%	2kohm	35H5068	24.58
S102C 2K5000 0.01%	2.5kohm	35H5069	24.58
S102C 5K0000 0.01%	5kohm	35H5074	8.92
S102C 10K 0.01%	10kohm	35H5064	24.58
S102C 20K000 0.01%	20kohm	35H5070	24.58
S102C 25K000 0.01%	25kohm	35H5071	27.94
S102C 50K 0.01%	50kohm	35H5075	27.94
S102C 100K00 0.01%	100kohm	35H5065	37.16

PIM_75183

R SERIES AXIAL POWER METAL FILM RESISTORS



Features

- Excellent stability
- Very low noise
- Low Tolerance

Specifications

- Tolerance: $\pm 0.1\%$
- Power Rating: 250 mW
- Temp. Coefficient: $\pm 15 \text{ ppm}/^\circ\text{C}$
- Operating Temp. Range: -65°C to $+155^\circ\text{C}$

Mfg. Part No.	Res.	Stock No.	Price Each 1-24+
250 mW, 250 V, $\pm 0.1\%$			
YR1B41R2CC	41.2ohm	23R2739	---
YR1B158RCC	158ohm	20R9295	0.21
YR1B226RCC	226ohm	20R9357	0.12
YR1B649RCC	649ohm	20R9503	0.18
YR1B909RCC	909ohm	20R9555	---
YR1B6K04CC	6.04kohm	20R9487	---
YR1B23K2CC	23.2kohm	20R9358	0.20
YR1B140KCC	140kohm	20R9282	---
YR1B182KCC	182kohm	20R9313	---
YR1B196KCC	196kohm	20R9321	0.21
YR1B210KCC	210kohm	20R9348	---
YR1B309KCC	309kohm	22R6814	---
YR1B392KCC	392kohm	20R9426	0.15
YR1B1MCC	1Mohm	20R9237	0.21

PIM_165130

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PIM_5624826

WSL SERIES POWER METAL STRIP® CURRENT SENSE RESISTORS

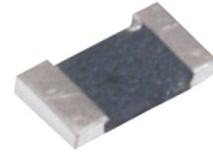
Features

- Solid Metal Nickel-Chrome or Manganese-Copper Alloy Resistive Element
- Solderable Terminations
- Excellent Frequency Response
- Low Thermal EMF
- Very Low Inductance: 0.5nH to 5nH

Specifications

- Tolerance: $F = \pm 1\%$
- Operating Temperature: -65°C to $+170^\circ\text{C}$
- Temperature Coefficient: $\pm 275 \text{ ppm}/^\circ\text{C}$ for 1mO to 2.9mO
- $\pm 150 \text{ ppm}/^\circ\text{C}$ for 3mO to 4.9mO
- $\pm 110 \text{ ppm}/^\circ\text{C}$ for 5mO to 6.9mO
- $\pm 75 \text{ ppm}/^\circ\text{C}$ for 7mO to 0.5O

Additional values available; go online or call.



Applications

- Ideal for All Types of Current Sensing, Voltage Division and Pulse Applications Including Switching and Linear Power Supplies, Instruments, and Power Amplifiers



Mfg. Part No.	Res.	Temp. Coefficient	Stock No.	Price Each 1-9+
1 W, $\pm 1\%$				
WSL25121L000FEK	0.001ohm	$\pm 275 \text{ ppm}/^\circ\text{C}$	72M6591	---
WSL25121L000FEA	0.001ohm	$\pm 275 \text{ ppm}/^\circ\text{C}$	87K2577	0.58
WSL25122L000FEA	0.002ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4265	0.44
WSL25123L000FEK	0.003ohm	$\pm 150 \text{ ppm}/^\circ\text{C}$	65K4170	---
WSL25123L000FEA	0.003ohm	$\pm 150 \text{ ppm}/^\circ\text{C}$	44W4982	1.52
WSL25124L000FEA	0.004ohm	$\pm 150 \text{ ppm}/^\circ\text{C}$	08X6455	1.70
WSL25125L000FEK	0.005ohm	$\pm 110 \text{ ppm}/^\circ\text{C}$	41K9330	---
WSL25125L000FEA	0.005ohm	$\pm 110 \text{ ppm}/^\circ\text{C}$	26R4266	1.46
WSL25126L000FEA	0.006ohm	$\pm 110 \text{ ppm}/^\circ\text{C}$	78R1205	0.42
WSL25127L000FEA	0.007ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	01P4575	0.41
WSL25128L000FEA	0.008ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	71P7508	0.56
WSL25129L000FEK	0.009ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4174	---
WSL25129L000FEA	0.009ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	18X4764	0.56
WSL2512R0100FEK	0.01ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4121	---
WSL2512R0100FEA	0.01ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4255	0.28
WSL2512R0120FEK	0.012ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	41K9308	---
WSL2512R0150FEA	0.015ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4256	---
WSL2512R0200FEK	0.02ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4126	---
WSL2512R0200FEA	0.02ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4257	0.38
WSL2512R0240FEK	0.024ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4128	---
WSL2512R0250FEK	0.025ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4129	---
WSL2512R0250FEA	0.025ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4258	0.38
WSL2512R0250FEB	0.025ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	78R0653	---
WSL2512R0300FEK	0.03ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	41K9313	---
WSL2512R0300FEA	0.03ohm	$\pm 70 \text{ ppm}/^\circ\text{C}$	14N9895	0.62
WSL2512R0330FEA	0.033ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	18X4753	1.22
WSL2512R0400FEK	0.04ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	41K9315	---
WSL2512R0400FEA	0.04ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4259	---
WSL2512R0430FEK	0.043ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4137	---
WSL2512R0500FEK	0.05ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	41K9318	0.92
WSL2512R0500FEA	0.05ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4260	0.38
WSL2512R0500FEB	0.05ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	41K9317	---
WSL2512R0600FEA	0.06ohm	$\pm 70 \text{ ppm}/^\circ\text{C}$	14N8472	---
WSL2512R0700FEK	0.07ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	41K9320	---
WSL2512R0700FEA	0.07ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	18X4754	0.33
WSL2512R0800FEA	0.08ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	33P4312	---
WSL2512R0820FEK	0.082ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4144	0.64
WSL2512R0900FEB	0.09ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	72M6589	---
WSL2512R0900FEA	0.09ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	78R0811	---
WSL2512R1000FEK	0.1ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4147	---
WSL2512R1000FEA	0.1ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4261	0.33
WSL2512R1000FEB	0.1ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	78R0820	---
WSL2512R1500FEA	0.15ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	18X4756	0.89
WSL2512R1510FEA	0.151ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	18X4757	---
WSL2512R2000FEK	0.2ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4155	0.76
WSL2512R2000FEA	0.2ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4262	1.24
WSL2512R2000FEB	0.2ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	03P3737	---
WSL2512R2210FEK	0.221ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4159	0.64
WSL2512R2500FEK	0.25ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	41K9324	---
WSL2512R2500FEA	0.25ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4263	0.25
WSL2512R3300FEA	0.33ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	18X4759	---
WSL2512R3900FEK	0.39ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4161	0.64
WSL2512R4000FEA	0.4ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	08R3863	0.99
WSL2512R4000FEB	0.4ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	78R0979	---
WSL2512R5000FEK	0.5ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	65K4168	0.16
WSL2512R5000FEA	0.5ohm	$\pm 75 \text{ ppm}/^\circ\text{C}$	26R4264	0.24

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