



Features

- EB welded metal strip
- Very high power
- Excellent long term stability
- Low resistance, low TCR
- Low thermal EMF
- RoHS compliant* and halogen free**
- AEC-Q200 compliant

Applications

- Current sensing
- Voltage division
- Battery management systems
- Power modules
- Frequency converters
- Industrial

Model CSS2H-2512 Series Current Sense Resistor

Electrical Characteristics

Characteristic	Model CSS2H-2512 Series	
Resistance Range / Power Rating @70 °C ¹ / Power Rating @130 °C ¹	CSS2H-2512C-000 ³	< 0.1 mΩ / 100 A
	CSS2H-2512R-L300x	0.3 mΩ / 6 W / 3 W
	CSS2H-2512R-L500x	0.5 mΩ / 6 W / 3 W
	CSS2H-2512R-1L00x	1.0 mΩ / 5 W / 3 W
	CSS2H-2512K-1L80x	1.8 mΩ / 5 W / 3 W
	CSS2H-2512K-2L00x	2.0 mΩ / 5 W / 3 W
	CSS2H-2512K-2L30x	2.3 mΩ / 5 W / 3 W
	CSS2H-2512K-3L00x	3.0 mΩ / 4 W / 2 W
	CSS2H-2512K-3L50x	3.5 mΩ / 4 W / 2 W
	CSS2H-2512K-4L00x ⁴	4.0 mΩ / 3 W / 2 W
CSS2H-2512K-5L00x ⁴	5.0 mΩ / 2.5 W / 1.5 W	
Operating Temperature Range	-55 to +170 °C	
TCR - Resistive Alloy ²	±50 PPM/°C (20-60 °C)	
Temperature Coefficient including Copper Terminals	CSS2H-2512R-L300x	±150 PPM/°C
	CSS2H-2512R-L500x	±100 PPM/°C
	CSS2H-2512R-1L00x	±75 PPM/°C
	CSS2H-2512K-1L80x	±75 PPM/°C
	CSS2H-2512K-2L00x	±75 PPM/°C
	CSS2H-2512K-2L30x	±75 PPM/°C
	CSS2H-2512K-3L00x	±75 PPM/°C
	CSS2H-2512K-3L50x	±75 PPM/°C
	CSS2H-2512K-4L00x ⁴	±75 PPM/°C
	CSS2H-2512K-5L00x ⁴	±75 PPM/°C
Inductance	Material type R: < 2 nH Material type K: < 5 nH	
Resistance Tolerance	±1 %, ±5 %	

¹ Terminal temperature ² For full TCR range, refer to TCR curve

³ Tinned copper ⁴ CSS2H-2512K-4L00F and -5L00F are available upon request - contact factory

Environmental Characteristics

Characteristic	Test Condition	ΔR Max.
Thermal Shock	-55 to +150 °C / 2000 Cycles	0.50 %
Short Time Overload	5 Times Rated Power for 5 Second Duration	0.50 %
Resistance to Soldering Heat	+260 °C / 10 Seconds	0.50 %
High Temperature Exposure	+170 °C / 2000 Hours	1.00 %
Low Temperature Storage	-65 °C / 24 Hours	0.10 %
Biased Humidity Test	+85 °C, 85 %R.H., 1000 Hours	0.50 %
Moisture Resistance	10 Days with Cold Shock, No Load	0.20 %
Mechanical Shock	100 g, 6 ms half sine	0.20 %
Vibration, High Frequency	20 g, 10-2000 Hz	0.20 %
Load Life	2000 Hours, Max. Load, Terminal Temperature 130 °C	1.00 %
Solderability	J-STD-002	95 % Coverage Min.
ESD	AEC-Q200-002, 25 kV	0.25 %
Board Flex	60 Sec. Min. Holding Time	0.25 %
Moisture Sensitivity Level		Level 1

Additional Information

Click these links for more information:



How to Order

CSS 2H - 2512 R - L500 J

Model _____

No. of Terminals & Style _____

Size _____

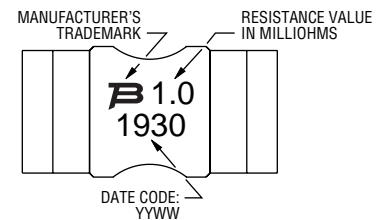
Material Type _____
(See Part Number Table)

Resistance Code (milliohms) _____
"L" represents decimal point
(examples: L500 = .500 milliohms;
1L00 = 1.00 milliohms)

Resistance Tolerance _____
F = ±1 %
J = ±5 %

Packaging size _____
Blank = Standard 13" reel
E = Mini 7" reel

Typical Part Marking



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

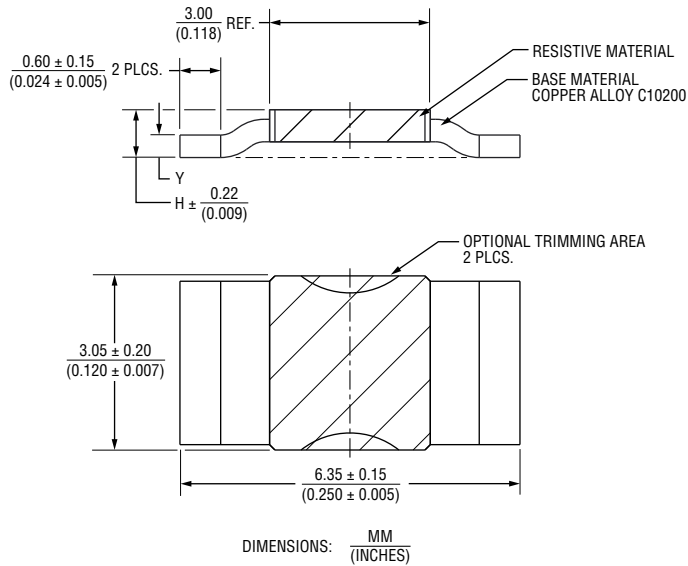
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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Model CSS2H-2512 Series Current Sense Resistor

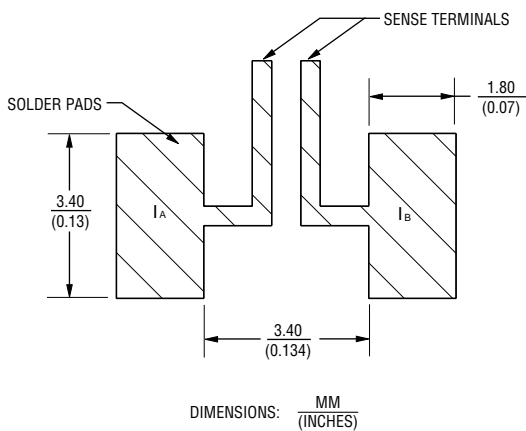
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Product Dimensions

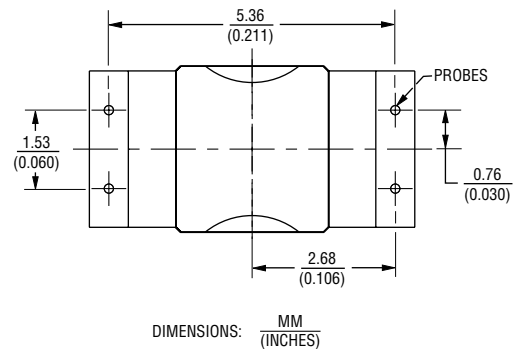


Part Number	Dimension H max.	Dimension Y max.	Alloy
CSS2H-2512C-000	$\frac{0.78}{(0.031)}$	$\frac{0.43}{(0.017)}$	Cu/Tin
CSS2H-2512R-L300x	$\frac{1.65}{(0.065)}$	$\frac{1.20}{(0.047)}$	Cu-Mn
CSS2H-2512R-L500x	$\frac{1.21}{(0.048)}$	$\frac{0.86}{(0.034)}$	Cu-Mn
CSS2H-2512R-1L00x	$\frac{0.78}{(0.031)}$	$\frac{0.43}{(0.017)}$	Cu-Mn
CSS2H-2512K-1L80x	$\frac{1.21}{(0.048)}$	$\frac{0.73}{(0.029)}$	Fe-Cr
CSS2H-2512K-2L00x	$\frac{1.09}{(0.043)}$	$\frac{0.73}{(0.029)}$	Fe-Cr
CSS2H-2512K-2L30x	$\frac{1.09}{(0.043)}$	$\frac{0.73}{(0.029)}$	Fe-Cr
CSS2H-2512K-3L00x	$\frac{0.81}{(0.032)}$	$\frac{0.45}{(0.018)}$	Fe-Cr
CSS2H-2512K-3L50x	$\frac{0.81}{(0.032)}$	$\frac{0.45}{(0.018)}$	Fe-Cr
CSS2H-2512K-4L00x	$\frac{0.73}{(0.029)}$	$\frac{0.43}{(0.017)}$	Fe-Cr
CSS2H-2512K-5L00x	$\frac{0.65}{(0.026)}$	$\frac{0.43}{(0.017)}$	Fe-Cr

Recommended Pad Layout



Recommended Measurements



Electrical Schematic



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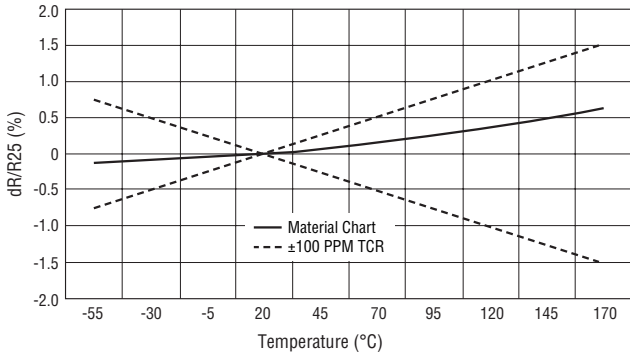
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Model CSS2H-2512 Series Current Sense Resistor

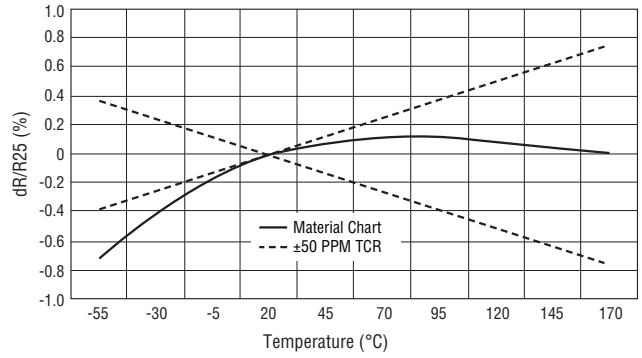


TCR Curves

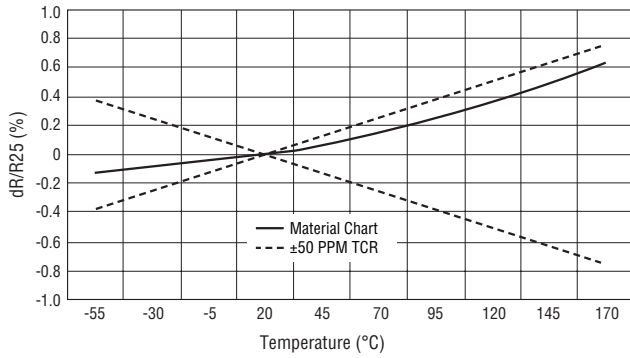
K-Type Resistive Material



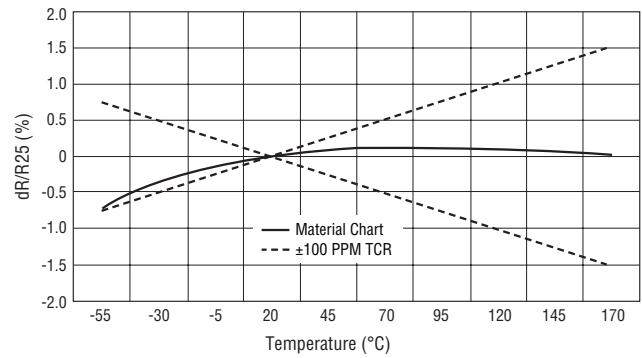
R-Type Resistive Material



K-Type Resistive Material

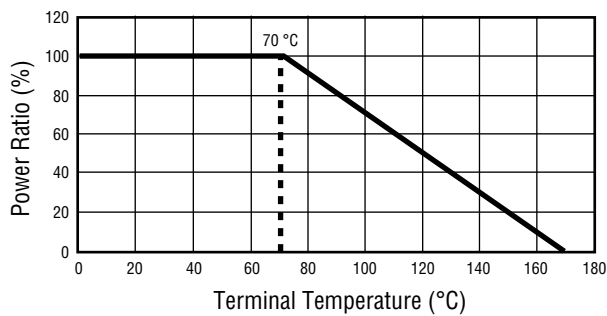


R-Type Resistive Material

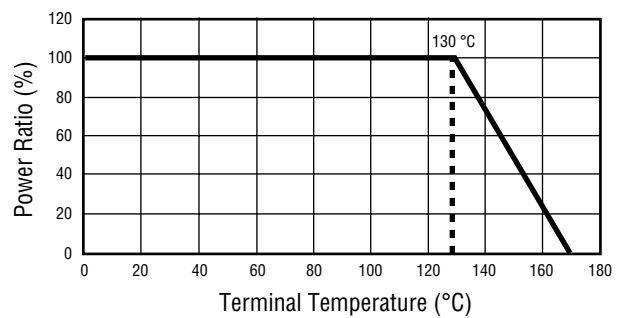


Power Derating Curves

@70 °C



@130 °C



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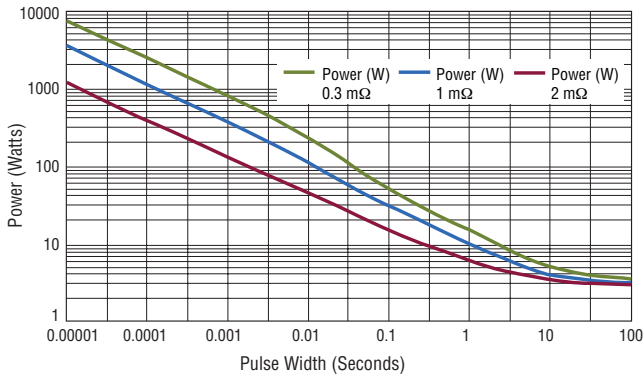
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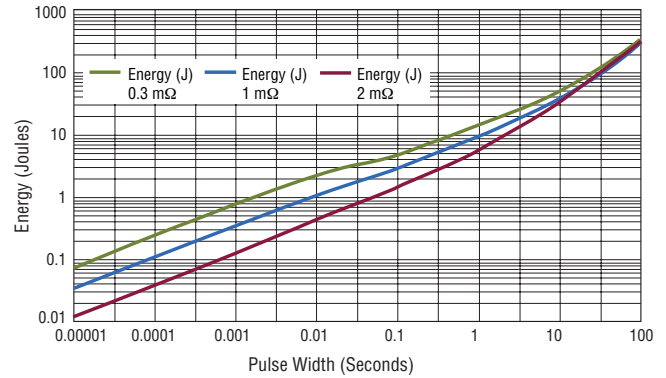
Model CSS2H-2512 Series Current Sense Resistor

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Maximum Pulse Power



Maximum Pulse Energy

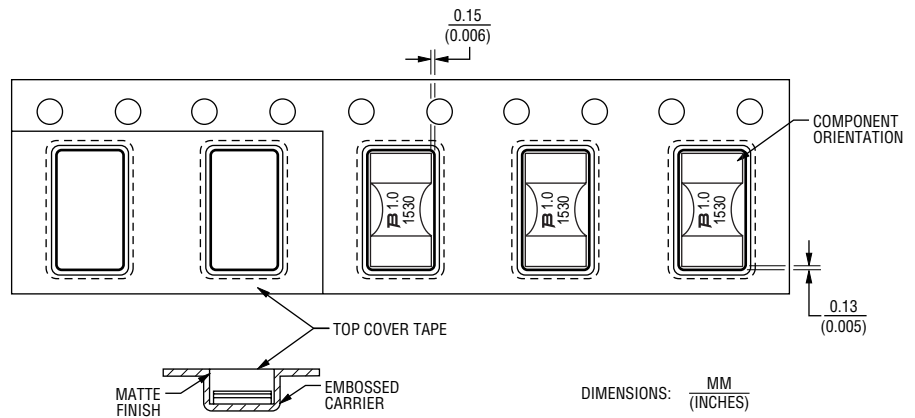


Packaging Specifications

Components packaged per EIA-481.

Standard Reel Size: 13 inches
Tape Width: 12 mm
Quantity: 3,000 pcs. per reel

Mini-Reel Size: 7 inches
Tape Width: 12 mm
Quantity: 1000 pcs. per reel



BOURNS®

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www.bourns.com

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Features

- EB welded metal strip
- Very high power
- Excellent long term stability
- Low resistance, low TCR
- Low thermal EMF
- RoHS compliant* and halogen free**
- AEC-Q200 compliant

Applications

- Current sensing
- Voltage division
- Battery management systems
- Power modules
- Frequency converters
- Industrial

Model CSS2H-3920 Series Current Sense Resistor

Electrical Characteristics

Characteristic	Model CSS2H-3920 Series	
Resistance Range / Power Rating @70 °C ¹ / Power Rating @130 °C ¹	CSS2H-3920C-000 ³	< 0.2 mΩ / 160 A
	CSS2H-3920R-L200x	0.2 mΩ / 12 W / 5 W
	CSS2H-3920R-L300x	0.3 mΩ / 10 W / 5 W
	CSS2H-3920R-L500x	0.5 mΩ / 9 W / 5 W
	CSS2H-3920R-L700x	0.7 mΩ / 8 W / 5 W
	CSS2H-3920R-1L00x	1.0 mΩ / 8 W / 5 W
	CSS2H-3920K-2L00x	2.0 mΩ / 6 W / 4 W
	CSS2H-3920K-2L50x	2.5 mΩ / 5 W / 3.5 W
	CSS2H-3920K-3L00x	3.0 mΩ / 5 W / 3 W
	CSS2H-3920K-4L00x	4.0 mΩ / 4 W / 2.5 W
CSS2H-3920K-5L00x	5.0 mΩ / 3 W / 2 W	
Operating Temperature Range	-55 to +170 °C	
TCR - Resistive Alloy ²	±50 PPM/°C (20-60 °C)	
Temperature Coefficient including Copper Terminals	CSS2H-3920R-L200x	±100 PPM/°C
	CSS2H-3920R-L300x	
	CSS2H-3920R-L500x	
	CSS2H-3920R-L700x	
	CSS2H-3920R-1L00x	
	CSS2H-3920K-2L00x	±75 PPM/°C
	CSS2H-3920K-2L50x	
	CSS2H-3920K-3L00x	
	CSS2H-3920K-4L00x	
	CSS2H-3920K-5L00x	
Inductance	Material type R: < 3 nH Material type K: < 5 nH	
Resistance Tolerance	±1 %, ±5 %	

¹ Terminal temperature ² For full TCR range, refer to TCR curve ³ Tinned copper

Additional Information

Click these links for more information:



How to Order

CSS 2H - 3920 R - 1L00 F

Model

No. of Terminals & Style

Size

Material Type
(See Part Number Table)

Resistance Code (milliohms)
"L" represents decimal point
(examples: L500 = .500 milliohms;
1L00 = 1.00 milliohms)

Resistance Tolerance
F = ±1 %
J = ±5 %

Packaging size
Blank = Standard 13" reel
E = Mini 7" reel

Environmental Characteristics

Characteristic	Test Condition	ΔR Max.
Thermal Shock	-55 to +150 °C / 2000 Cycles	0.50 %
Short Time Overload	5 Times Rated Power for 5 Second Duration	0.50 %
Resistance to Soldering Heat	+260 °C / 10 Seconds	0.50 %
High Temperature Exposure	+170 °C / 2000 Hours	1.00 %
Low Temperature Storage	-65 °C / 24 Hours	0.10 %
Biased Humidity Test	+85 °C, 85 % R.H., 1000 Hours	0.50 %
Moisture Resistance	10 Days with Cold Shock, No Load	0.20 %
Mechanical Shock	100 g, 6 ms half sine	0.20 %
Vibration, High Frequency	20 g, 10-2000 Hz	0.20 %
Load Life	2000 Hours, Max. Load, Terminal Temperature 130 °C	1.00 %
Solderability	J-STD-002	95 % Coverage Min.
ESD	AEC-Q200-002, 25 kV	0.25 %
Board Flex	60 Sec. Min. Holding Time	0.25 %
Moisture Sensitivity Level		Level 1



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
**Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.

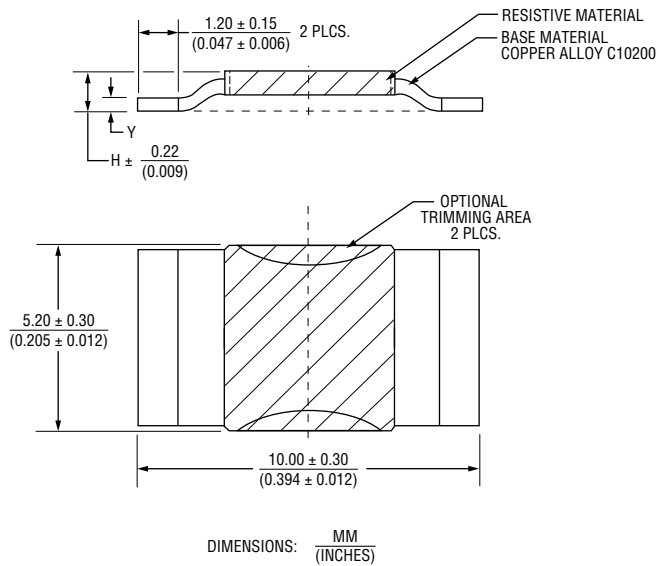
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Model CSS2H-3920 Series Current Sense Resistor

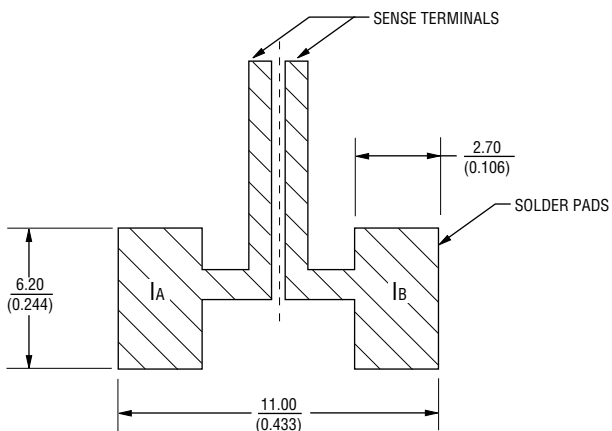
BOURNS®

Product Dimensions



Part Number	Dimension H max.	Dimension Y max	Alloy
CSS2H-3920C-000	$\frac{0.93}{(0.037)}$	$\frac{0.43}{(0.017)}$	Cu/Tin
CSS2H-3920R-L200x	$\frac{2.51}{(0.099)}$	$\frac{1.20}{(0.047)}$	Cu-Mn
CSS2H-3920R-L300x	$\frac{1.82}{(0.072)}$	$\frac{1.20}{(0.047)}$	Cu-Mn
CSS2H-3920R-L500x	$\frac{1.29}{(0.051)}$	$\frac{0.76}{(0.030)}$	Cu-Mn
CSS2H-3920R-L700x	$\frac{1.05}{(0.041)}$	$\frac{0.43}{(0.017)}$	Cu-Mn
CSS2H-3920R-1L00x	$\frac{0.93}{(0.037)}$	$\frac{0.43}{(0.017)}$	Cu-Mn
CSS2H-3920K-2L00x	$\frac{1.17}{(0.046)}$	$\frac{0.60}{(0.024)}$	Fe-Cr
CSS2H-3920K-2L50x	$\frac{1.04}{(0.041)}$	$\frac{0.50}{(0.020)}$	Fe-Cr
CSS2H-3920K-3L00x	$\frac{0.99}{(0.039)}$	$\frac{0.49}{(0.019)}$	Fe-Cr
CSS2H-3920K-4L00x	$\frac{0.85}{(0.033)}$	$\frac{0.43}{(0.017)}$	Fe-Cr
CSS2H-3920K-5L00x	$\frac{0.78}{(0.031)}$	$\frac{0.43}{(0.017)}$	Fe-Cr

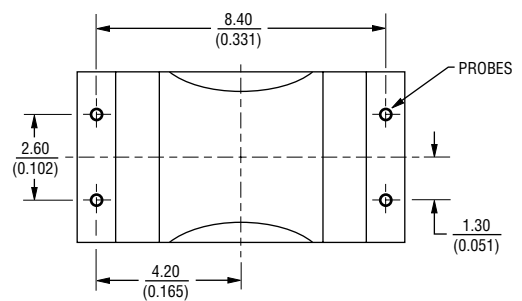
Recommended Pad Layout



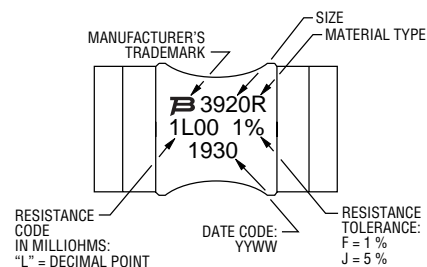
Electrical Schematic



Recommended Measurements



Typical Part Marking



Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

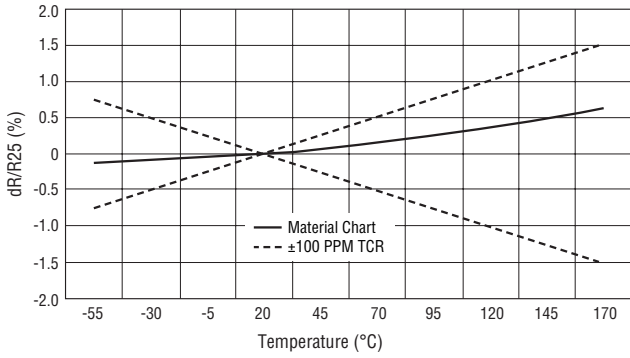
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Model CSS2H-3920 Series Current Sense Resistor

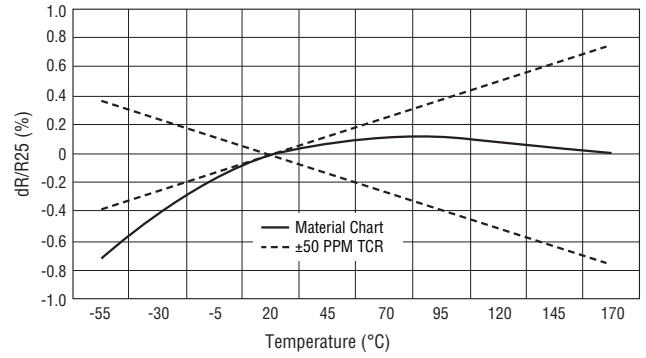


TCR Curves

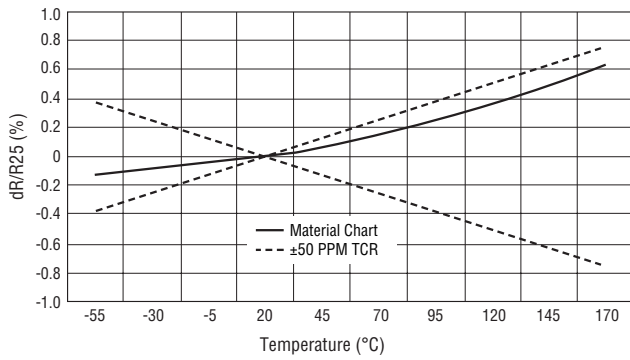
K-Type Resistive Material



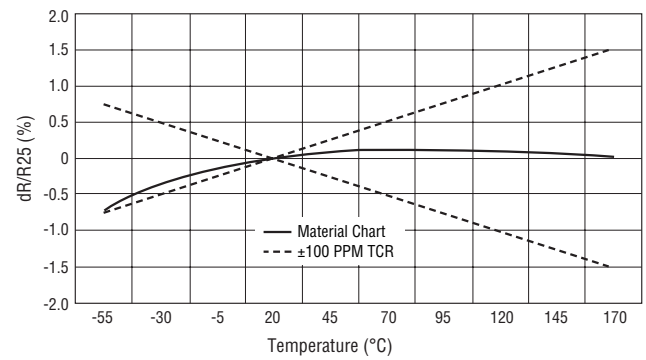
R-Type Resistive Material



K-Type Resistive Material

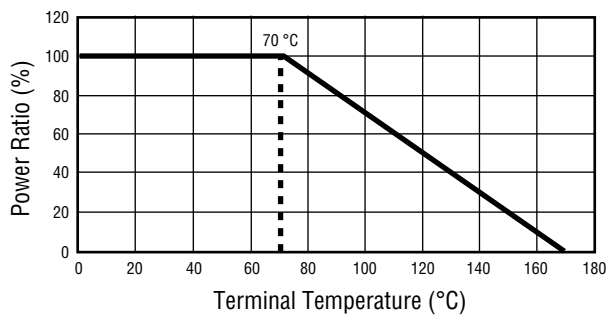


R-Type Resistive Material

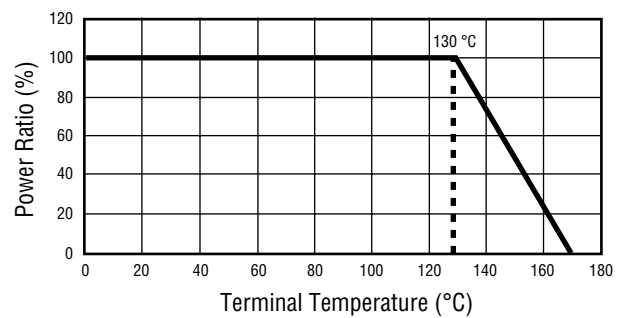


Power Derating Curves

@70 °C



@130 °C



Specifications are subject to change without notice.

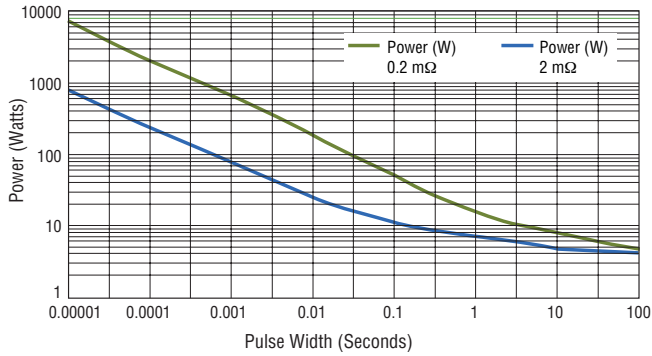
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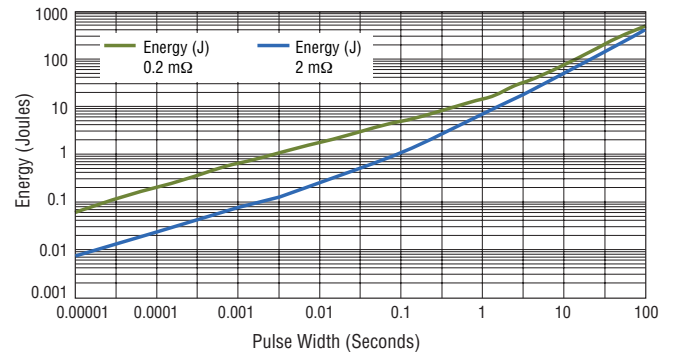
Model CSS2H-3920 Series Current Sense Resistor

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Maximum Pulse Power



Maximum Pulse Energy

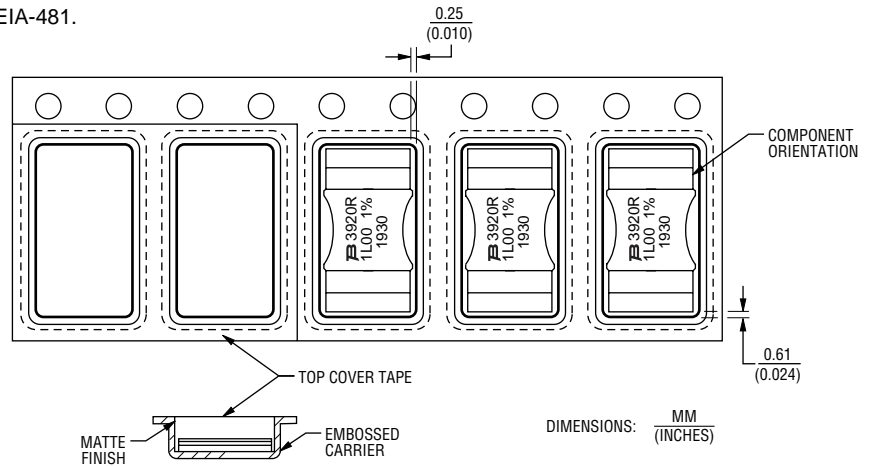


Packaging Specifications

Components packaged on plastic tape & reel per EIA-481.

Standard Reel Size: 13 inches
Tape Width: 16 mm
Quantity: 3,000 pcs. per reel

Mini-Reel Size: 7 inches
Tape Width: 16 mm
Quantity: 1000 pcs. per reel



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EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com

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Users should verify actual device performance in their specific applications.

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Features

- EB welded metal strip
- Very high power
- Excellent long term stability
- Low resistance, low TCR
- Low thermal EMF
- RoHS compliant* and halogen free**
- AEC-Q200 compliant

Applications

- Current sensing
- Voltage division
- Battery management systems
- Power modules
- Frequency converters
- Industrial

Model CSS2H-5930 Series Current Sense Resistor

Electrical Characteristics

Characteristic	Model CSS2H-5930 Series	
Resistance Range / Power Rating @70 °C ¹ / Power Rating @130 °C ¹	CSS2H-5930C-000 ³	< 0.2 mΩ / 160 A
	CSS2H-5930R-L200x	0.2 mΩ / 15 W / 10 W
	CSS2H-5930R-L300x	0.3 mΩ / 15 W / 10 W
	CSS2H-5930R-L500x	0.5 mΩ / 8 W / 6 W
	CSS2H-5930K-1L00x	1.0 mΩ / 9 W / 6 W
	CSS2H-5930K-2L00x	2.0 mΩ / 7 W / 4 W
	CSS2H-5930K-3L00x	3.0 mΩ / 6 W / 4 W
Operating Temperature Range	-55 to +170 °C	
TCR - Resistive Alloy ²	±50 PPM/°C (20~60 °C)	
Temperature Coefficient including Copper Terminals	CSS2H-5930R-L200x	±150 PPM/°C
	CSS2H-5930R-L300x	±150 PPM/°C
	CSS2H-5930R-L500x	±100 PPM/°C
	CSS2H-5930K-1L00x	±75 PPM/°C
	CSS2H-5930K-2L00x	±75 PPM/°C
	CSS2H-5930K-3L00x	±75 PPM/°C
Inductance	Material type R: < 3 nH Material type K: < 5 nH	
Resistance Tolerance	±1 %, ±5 %	

- 1 Terminal temperature
2 For full TCR range, refer to TCR curve
3 Tinned copper

Additional Information

Click these links for more information:



How to Order

CSS 2H - 5930 K - 1L00 F

Model

No. of Terminals & Style

Size

Material Type
(See Part Number Table)

Resistance Code (milliohms)
"L" represents decimal point
(examples: L500 = .500 milliohms;
1L00 = 1.00 milliohms)

Resistance Tolerance
F = ±1 %
J = ±5 %

Packaging Size
Blank = Standard 13" reel
E = Mini 7" reel

Environmental Characteristics

Characteristic	Test Condition	ΔR Max.
Thermal Shock	-55 to +150 °C / 2000 Cycles	0.50 %
Short Time Overload	5 Times Rated Power for 5 Second Duration	0.50 %
Resistance to Soldering Heat	+260 °C / 10 Seconds	0.50 %
High Temperature Exposure	+170 °C / 2000 Hours	1.00 %
Low Temperature Storage	-65 °C / 24 Hours	0.10 %
Biased Humidity Test	+85 °C, 85 %R.H., 1000 Hours	0.50 %
Moisture Resistance	10 Days with Cold Shock, No Load	0.20 %
Mechanical Shock	100 g, 6 ms half sine	0.20 %
Vibration, High Frequency	20 g, 10-2000 Hz	0.20 %
Load Life	2000 Hours, Max. Load, Terminal Temperature 130 °C	1.00 %
Solderability	J-STD-002	95 % Coverage Min.
ESD	AEC-Q200-002, 25 kV	0.25 %
Board Flex	60 Sec. Min. Holding Time	0.25 %
Moisture Sensitivity Level		Level 1

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

**Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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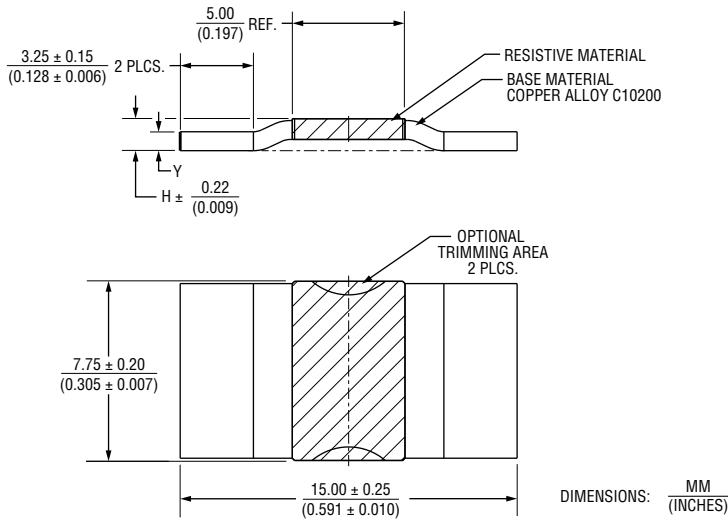
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Model CSS2H-5930 Series Current Sense Resistor

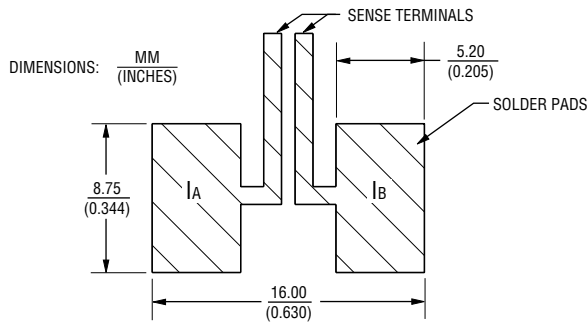
BOURNS®

Product Dimensions

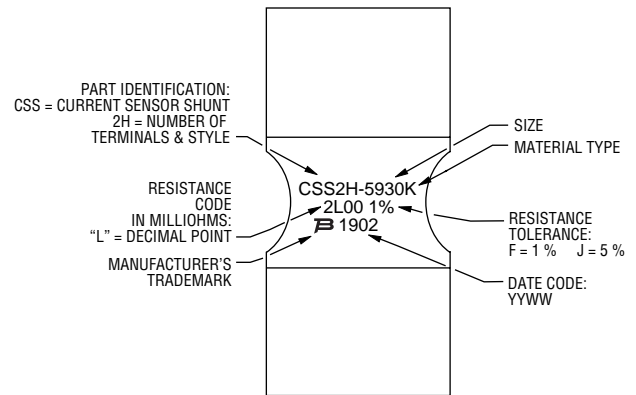


Part Number	Dimension H max.	Dimension Y max.	Alloy
CSS2H-5930C-000	$\frac{0.93}{(0.037)}$	$\frac{0.43}{(0.017)}$	Cu/Tin
CSS2H-5930R-L200x	$\frac{1.82}{(0.072)}$	$\frac{1.20}{(0.047)}$	Cu-Mn
CSS2H-5930R-L300x	$\frac{1.39}{(0.055)}$	$\frac{0.84}{(0.033)}$	Cu-Mn
CSS2H-5930R-L500x	$\frac{1.01}{(0.040)}$	$\frac{0.61}{(0.024)}$	Cu-Mn
CSS2H-5930K-1L00x	$\frac{1.41}{(0.056)}$	$\frac{0.91}{(0.036)}$	Fe-Cr
CSS2H-5930K-2L00x	$\frac{0.99}{(0.039)}$	$\frac{0.49}{(0.019)}$	Fe-Cr
CSS2H-5930K-3L00x	$\frac{0.80}{(0.031)}$	$\frac{0.43}{(0.017)}$	Fe-Cr

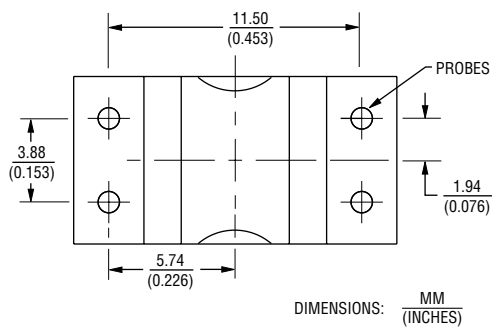
Recommended Pad Layout



Typical Part Marking



Recommended Measurements



Electrical Schematic



Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

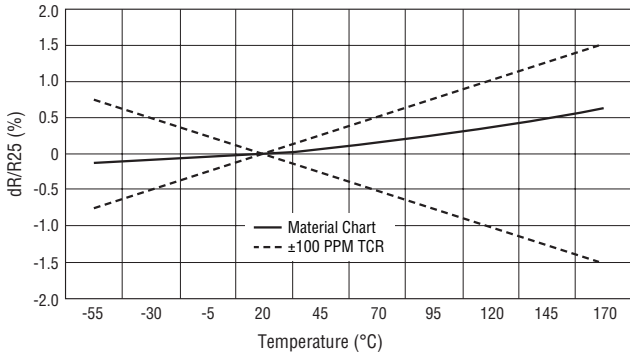
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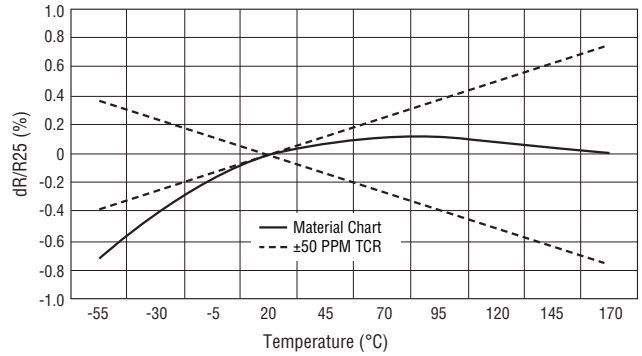


TCR Curves

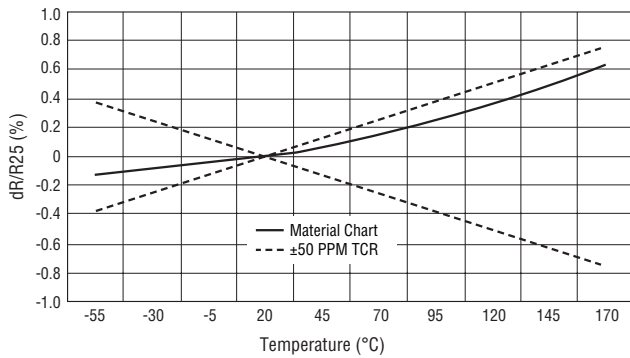
K-Type Resistive Material



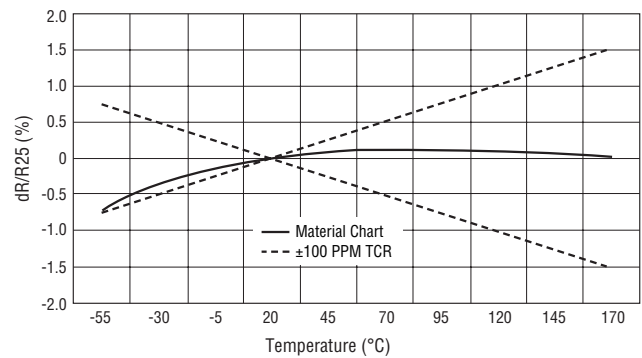
R-Type Resistive Material



K-Type Resistive Material

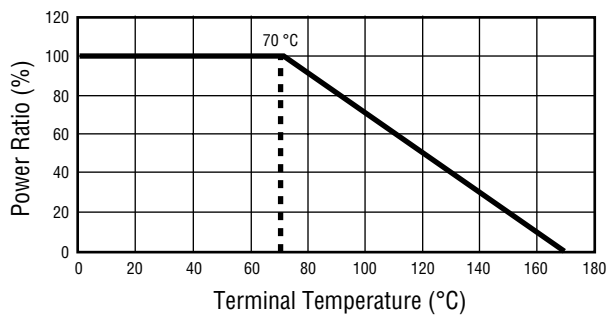


R-Type Resistive Material

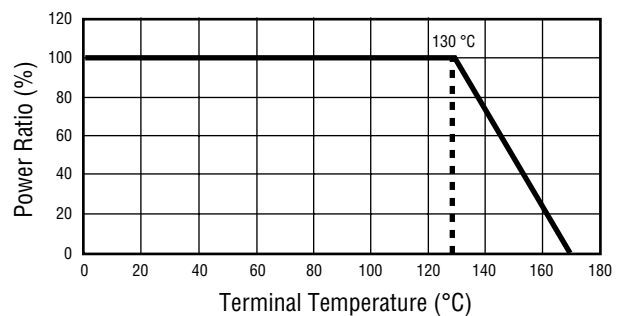


Power Derating Curves

@70 °C



@130 °C



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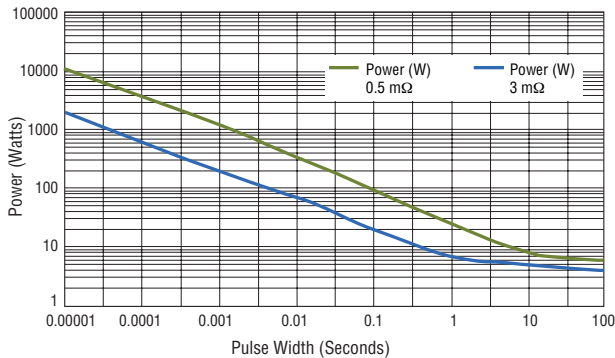
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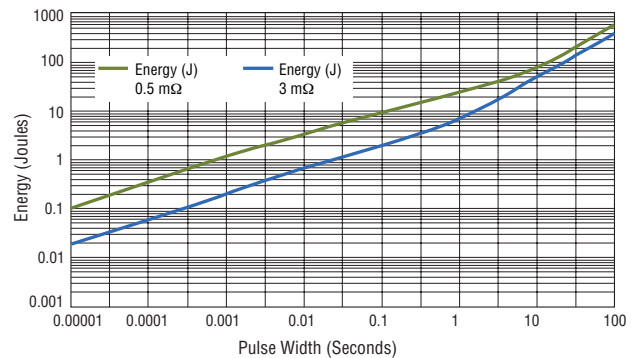
Model CSS2H-5930 Series Current Sense Resistor

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Maximum Pulse Power



Maximum Pulse Energy

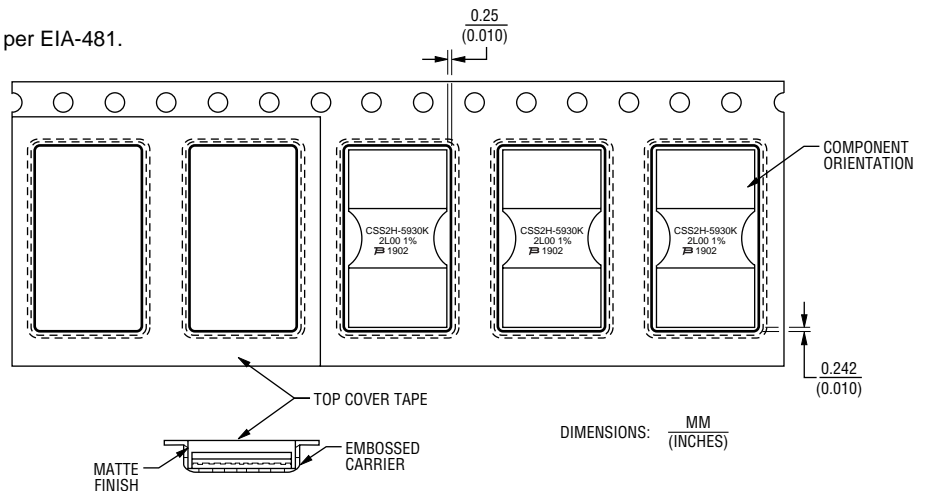


Packaging Specifications

Components packaged on plastic tape & reel per EIA-481.

- Standard Reel Size: 13 inches
- Tape Width: 24 mm
- Quantity: 1,500 pcs. per reel

- Mini-Reel Size: 7 inches
- Tape Width: 24 mm
- Quantity: 500 pcs. per reel



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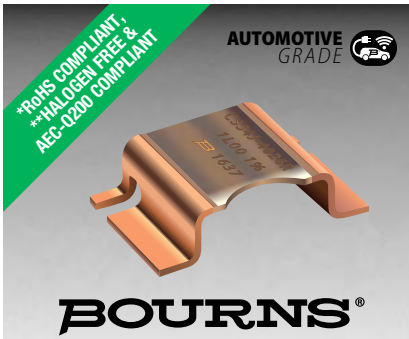
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Features

- EB welded metal strip
- Very high power
- Excellent long term stability
- Low resistance, low TCR
- Low thermal EMF
- RoHS compliant* and halogen free**
- AEC-Q200 compliant

Applications

- Current sensing
- Voltage division
- Battery management systems
- Power modules
- Frequency converters
- Industrial

Model CSS4J-4026 Series Current Sense Resistor

Electrical Characteristics

Characteristic	Model CSS4J-4026 Series	
Resistance Range / Power Rating @70 °C ¹ / Power Rating @130 °C ¹	CSS4J-4026R-L200x ³	0.2 mΩ / 11 W / 5 W
	CSS4J-4026R-L300x	0.3 mΩ / 10 W / 5 W
	CSS4J-4026R-L500x	0.5 mΩ / 10 W / 5 W
	CSS4J-4026R-1L00x	1.0 mΩ / 8 W / 4 W
	CSS4J-4026K-2L00x	2.0 mΩ / 6 W / 4 W
	CSS4J-4026K-3L00x	3.0 mΩ / 5 W / 3 W
	CSS4J-4026K-5L00x	5.0 mΩ / 4 W / 3 W
Operating Temperature Range	-55 to +170 °C	
TCR - Resistive Alloy ²	±50 PPM/°C (20~60 °C)	
Temperature Coefficient	CSS4J-4026R-L200x ³	±150 PPM/°C
	CSS4J-4026R-L300x	±100 PPM/°C
	CSS4J-4026R-L500x	±100 PPM/°C
	CSS4J-4026R-1L00x	±75 PPM/°C
	CSS4J-4026K-2L00x	±75 PPM/°C
	CSS4J-4026K-3L00x	±75 PPM/°C
	CSS4J-4026K-5L00x	±75 PPM/°C
Inductance	Material type R: < 3 nH Material type K: < 5 nH	
Resistance Tolerance	±1 %, ±5 %	

¹ Terminal temperature

² For full TCR range, refer to TCR curve

³ CSS4J-4026R-L200F is available upon request - contact factory

Additional Information

Click these links for more information:



How to Order

CSS 4J - 4026 R - 1L00 F

Model _____

No. of Terminals _____

& Style _____

Size _____

Material Type _____
(See Part Number Table)

Resistance Code (milliohms) _____
"L" represents decimal point
(examples: L500 = .500 milliohms;
1L00 = 1.00 milliohms)

Resistance Tolerance _____
F = ±1 %
J = ±5 %

Packaging size _____
Blank = Standard 13" reel
E = Mini 7" reel

Environmental Characteristics

Characteristic	Test Condition	ΔR Max.
Thermal Shock	-55 to +150 °C / 2000 Cycles	0.50 %
Short Time Overload	5 Times Rated Power for 5 Second Duration	0.50 %
Resistance to Soldering Heat	+260 °C / 10 Seconds	0.50 %
High Temperature Exposure	+170 °C / 2000 Hours	1.00 %
Low Temperature Storage	-65 °C / 24 Hours	0.10 %
Biased Humidity Test	+85 °C, 85 % R.H., 1000 Hours	0.50 %
Moisture Resistance	10 Days with Cold Shock, No Load	0.20 %
Mechanical Shock	100 g, 6 ms half sine	0.20 %
Vibration, High Frequency	20 g, 10-2000 Hz	0.20 %
Load Life	2000 Hours, Max. Load, Terminal Temperature 130 °C	1.00 %
Solderability	J-STD-002	95 % Coverage Min.
ESD	AEC-Q200-002, 25 kV	0.25 %
Board Flex	60 Sec. Min. Holding Time	0.25 %
Moisture Sensitivity Level		Level 1

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

**Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.

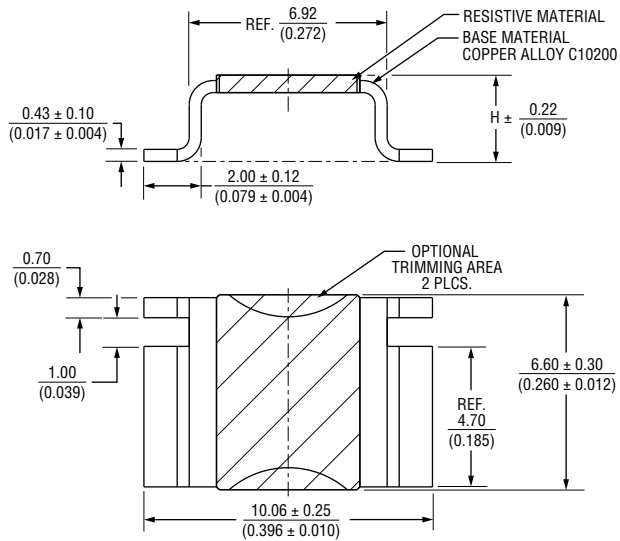
Users should verify actual device performance in their specific applications.

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Model CSS4J-4026 Series Current Sense Resistor

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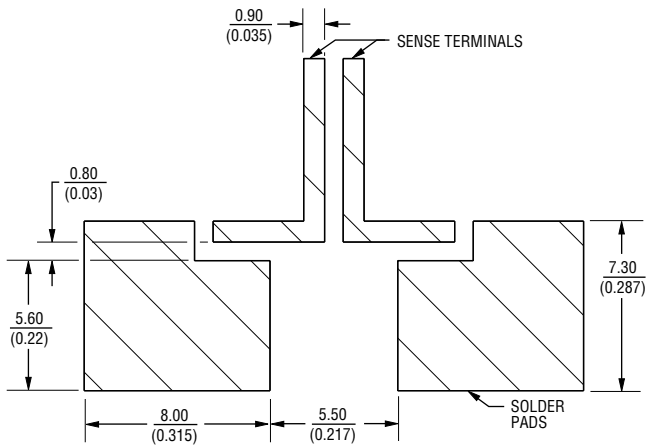
Product Dimensions



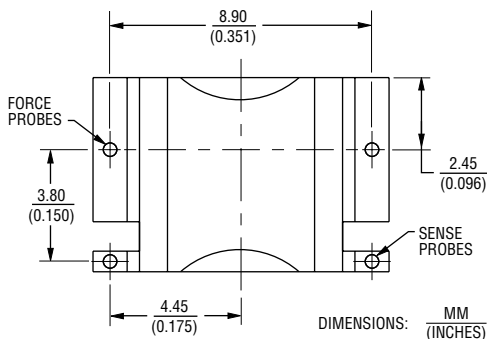
Part Number	Dimension H max.	Alloy
CSS4J-4026R-L200x	4.00 (0.157)	Cu-Mn
CSS4J-4026R-L300x	3.44 (0.135)	Cu-Mn
CSS4J-4026R-L500x	3.04 (0.120)	Cu-Mn
CSS4J-4026R-1L00x	2.70 (0.106)	Cu-Mn
CSS4J-4026K-2L00x	2.93 (0.115)	Fe-Cr
CSS4J-4026K-3L00x	2.75 (0.108)	Fe-Cr
CSS4J-4026K-5L00x	2.63 (0.104)	Fe-Cr

DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

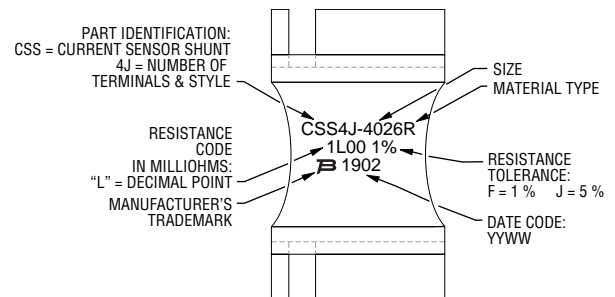
Recommended Pad Layout



Recommended Measurements



Typical Part Marking



Electrical Schematic



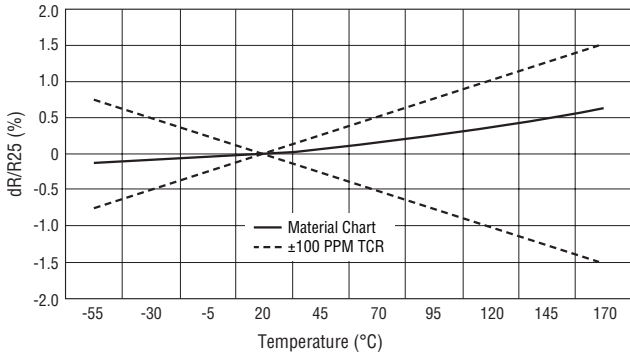
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Model CSS4J-4026 Series Current Sense Resistor

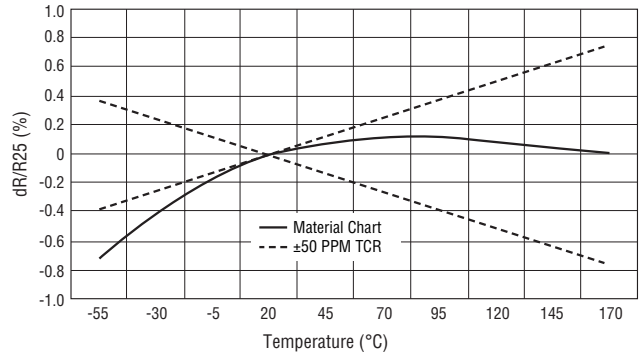


TCR Curves

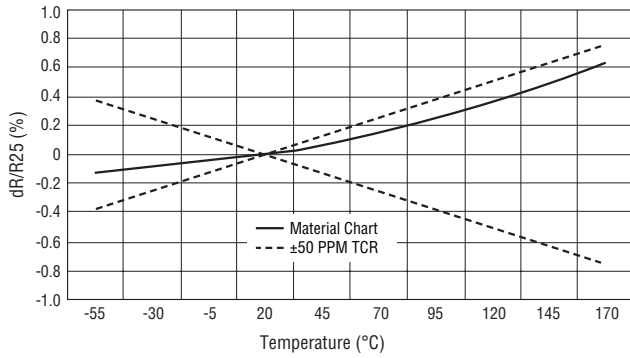
K-Type Resistive Material



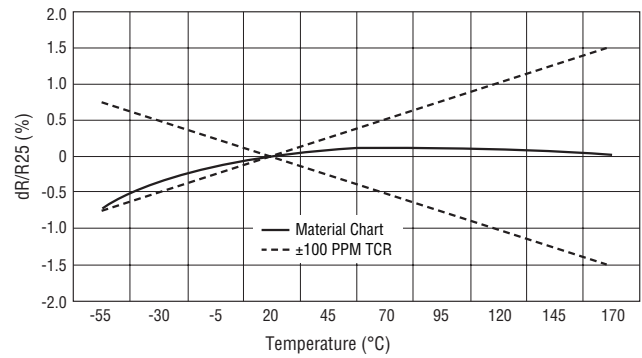
R-Type Resistive Material



K-Type Resistive Material

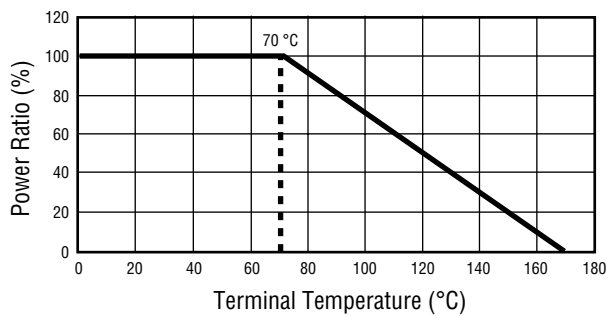


R-Type Resistive Material

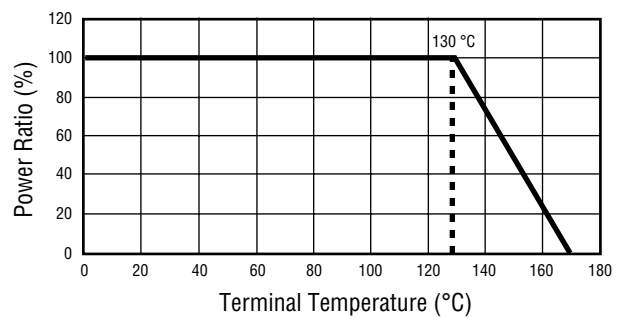


Power Derating Curves

@70 °C



@130 °C



Specifications are subject to change without notice.

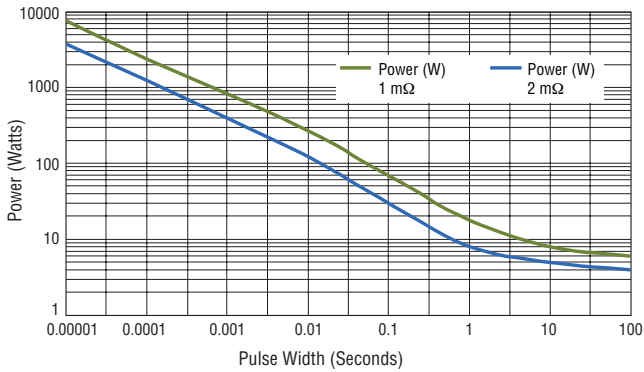
Users should verify actual device performance in their specific applications.

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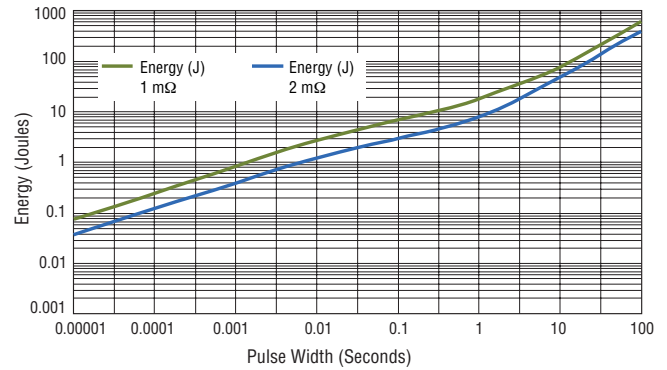
Model CSS4J-4026 Series Current Sense Resistor



Maximum Pulse Power



Maximum Pulse Energy

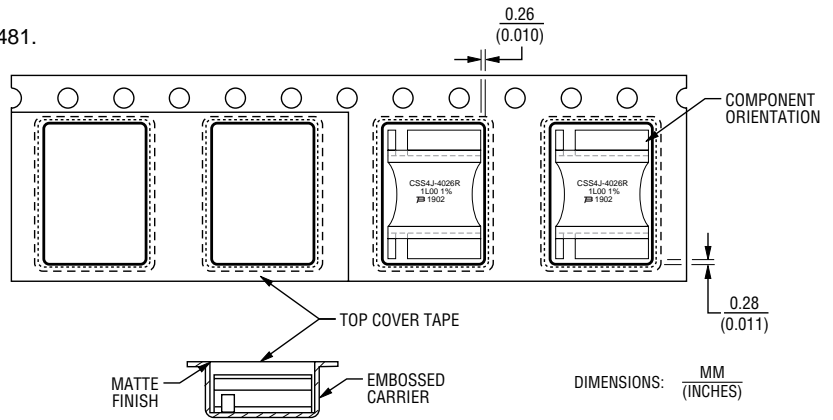


Packaging Specifications

Components packaged on plastic tape & reel per EIA-481.

Standard Reel Size: 13 inches
Tape Width: 16 mm
Quantity: 1,500 pcs. per reel

Mini-Reel Size: 7 inches
Tape Width: 16 mm
Quantity: 400 pcs. per reel



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Users should verify actual device performance in their specific applications.

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