BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



Bourns Releases New SRP201210V Series Shielded Power Inductors

Riverside, California - September 24, 2026 – The Bourns® SRP201210V Series Shielded Power Inductors feature a compact 2.0 mm x 1.2 mm footprint and a maximum height of 1.0 mm.

The series offers inductance values from 0.24 µH to 0.47 µH, typical saturation current from 5.5 A to 7.6 A, typical heating current from 4.7 A to 5.9 A, and an operating temperature range of -55 °C to +125 °C. A metal alloy powder core supports high current capability, and the shielded construction reduces magnetic field radiation.

Bourns Part Number	Inductance @ 1 MHz / 1 V		Q Typ.	SRF (MHz) Typ.	ACR (mΩ) @ 1 MHz / 1 V Max.	DCR (mΩ) Max.	I_{rms} (A) Typ.	I_{rms} (A) Max.	I_{sat} (A) Typ.	I_{sat} (A) Max.
	L (µH)	Tol. %								
SRP201210V-R24M	0.24	±20	25	>120	80	17	5.9	5.2	7.6	7.0
SRP201210V-R33M	0.33	±20	25	>120	115	20	5.3	4.7	6.5	6.0
SRP201210V-R47M	0.47	±20	25	120	170	24	4.7	4.2	5.5	5.0

Features

- Magnetically-shielded construction provides low radiation
- High current
- Low DC resistance
- Low profile
- RoHS compliant* and halogen free**

Applications

- Wearable devices
- Smartphones/tablets
- IoT modules
- Portable/battery-powered electronics
- Solid state drives

For additional details, please visit www.bourns.com or contact Bourns Customer Service/Inside Sales.

Additional Information

DATA SHEET | PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

** 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.*

IC26154

Americas: Tel +1-951 781-5500 americus@bourns.com
EMEA: Tel +36 88 885 877 eurocus@bourns.com
Asia-Pacific: Tel +886-2 256 241 17 asiacus@bourns.com
Mexico: Tel +52 614 478 0400 mexicus@bourns.com