

New Product Release

INDUCTIVE COMPONENTS



Bourns Releases New Chip LAN Transformers and Common Mode Chip Inductor

Models SM453229-231N7Y, SM453229-381N7Y, SRF2012A-801Y

Riverside, California – FEBRUARY 26, 2019 – Bourns Inductive Components Product Line is introducing the Model [SM453229-231N7Y](#) and [SM453229-381N7Y](#) Chip LAN 10/100/1000 Base-T Transformers. Unlike traditional LAN magnetics built with multiple toroidal core transformers and common mode chokes in a single module, the Chip LAN transformer is a discrete, center-tapped component wound on a drum core and capped with a ferrite plate to emulate the result of the close magnetic path of a toroid core. The Model [SRF2012A-801Y](#) Common Mode Chip Inductor pairs with the Chip LAN transformer to provide EMI suppression.

Bourns® Model SM453229-231N7Y and SM453229-381N7Y Chip LAN Transformers are compliant with IEEE 802.3 and the Bourns® Model SM453229-231N7Y is PoE+ capable. Both transformers are available in a 4.7 x 3.2 x 2.9 mm package size with an operating temperature range of -40 to +85 °C. They are ideal for use in LAN interfaces for a variety of telecommunication and network devices.

The product data sheets with detailed specifications can be viewed on the Bourns website at www.bourns.com. Should you have any questions, please contact Bourns [Customer Service/Inside Sales](#).

	Model	
	SM453229-231N7Y / SM453229-381N7Y	SRF2012A-801Y
Features	<ul style="list-style-type: none"> ■ IEEE 802.3 Ethernet compatible ■ Discrete transformers and common mode chokes for flexible PCB layout ■ PoE+ (SM453229-231N7Y only) ■ Pairs with Bourns® Model SRF2012A-801Y Common Mode Choke for EMI reduction ■ Expanded temperature range: -40 to +85 °C ■ RoHS compliant* 	<ul style="list-style-type: none"> ■ Shielded construction – low radiation ■ Bifilar wound ■ Use with Chip LAN transformers SM45322-231N7Y and SM453222-381N7Y ■ AEC-Q200 Compliant ■ RoHS Compliant* and Halogen Free**
Applications	<ul style="list-style-type: none"> ■ LAN interfaces for a variety of telecommunication and network devices 	<ul style="list-style-type: none"> ■ Pairs with Bourns® Model SM453229 Series Chip LAN Transformers to provide EMI suppression

* 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.