

QTR-Pak™ & 8th-Pak™ Common Mode Power Chokes

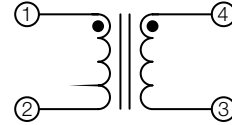
1

COMMON MODE POWER CHOKES



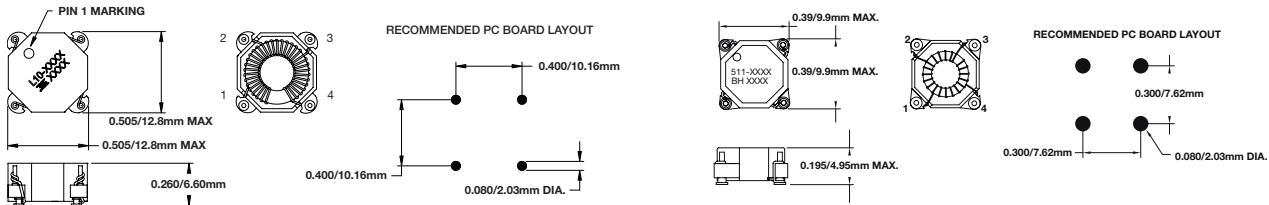
- Proven, high reliability SMT package design
- 400 VAC isolation voltage
- Matte Sn over Ni over brass pins
- Superior coplanarity
- Superior inspectability
- Feet available to reflow solder heat
- Available in JEDEC trays or tape & reel (L10-400/Reel; L11-1000/Reel)

RoHS
COMPLIANT

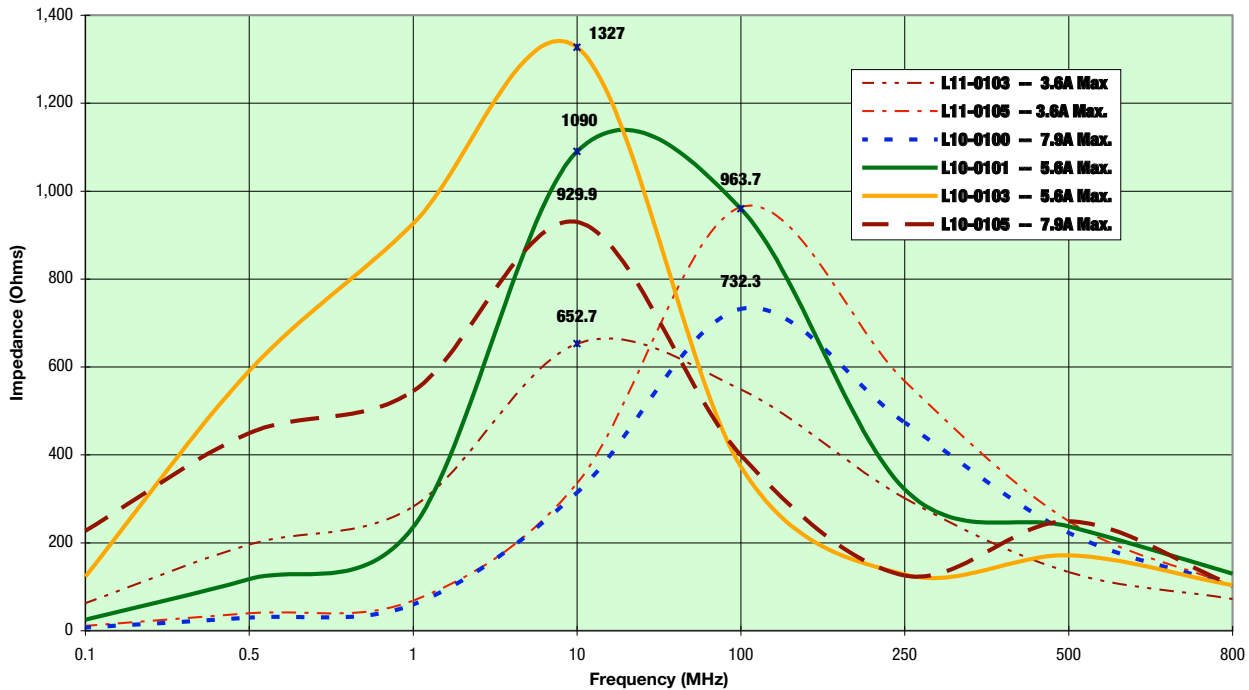


BH PART NUMBER	TYPE	QCL (Nom.)	IMPEDANCE (Typ.; Min.)	FREQUENCY	DCR/WINDING (Typ.)	RATED CURRENT	URNS RATIO
L11-0103	8th-Pak	150uH	600 Ohms	10 MHz	19 mOhms	3.6 Amps	1:1
L11-0105	8th-Pak	20uH	800 Ohms	100 MHz	19 mOhms	3.6 Amps	1:1
L10-0100	QTR-Pak	9 uH	600 Ohms	100 MHz	8 mOhms	7.9 Amps	1:1
L10-0101	QTR-Pak	41 uH	800 Ohms	10 MHz	16 mOhms	5.6 Amps	1:1
L10-0103	QTR-Pak	180 uH	1.1 kOhms	10 MHz	16 mOhms	5.6 Amps	1:1
L10-0105	QTR-Pak	98uH	175 Ohms	100 MHz	8 mOhms	7.9 Amps	1:1

Electrical specifications at 25° C. Operating temperature range -40°C to +125°C



Impedance vs Frequency - BH QTR-Paks (L10-) and 8th-Paks (L11-)



Variations: QTR-Pak™, 8th-Pak™ and Mini-Pak™

Common Threads: SMT; Space Efficiency; Reliability



MIL-PRF-27F, for Level M, Grade 5, Class S

Many standard Pak™ inductors and their variations have been modified on a custom part number basis to meet the following specifications:

Life tests performed for 1,000 hours at 130° C.
Thermal shock, mechanical shock and vibration.

Vibration tests that include a 20G peak varied logarithmically between 10-2,000Hz, scanned in $\pm$ X, Y and Z directions at 20 minutes per frequency cycle for a total of approximately 12 hours.

QTR-Paks and 8th-Paks have completed tests.
Mini-Paks are in process but not yet approved for MIL-PFR-27.

Such tests are possible only because of the SMT structure that is sound in its design: Reliable.

Contact BH with your requirement.

Up to 4,000V isolation

Perhaps you have an application that needs the inductance of one from the standard Pak list of specifications but needs a higher isolation voltage.

We can do that.

Contact BH Electronics.

Turns ratio of 1 to whatever

Standard Pak families are 1:1 transformers / dual inductors but there is no reason this ratio could not be incrementally varied to meet your specific need - quickly and efficiently.

Whether you need a variation on the standard 1:1 ratio for a SEPIC dual inductor or flyback transformer, we can do that for you - quickly and efficiently.

If your 1:1 application could benefit from lower DCR on one side of the circuit than the other - we can do that as well.

Contact BH regarding your specific requirement.

Flyback Transformers; Different Cores?

Would your application benefit from a different core such as Kool-MU® or other?

Contact BH and talk with one of our engineers.

Current Sense Transformers?

See the Current Sense transformers section of this catalog.

Magnetics put into Pak SMT structures provide space efficiency as well as reliability.

Contact BH for a N/C sample.

100 a year or 100,000 a Month?

BH Electronics has the multiple capabilities of small or large volume manufacture.

Whether "custom" or standard, BH is able to quickly respond to your requirement.

If SMT size, performance and reliability are critical to your application - large or small.

Check us out.