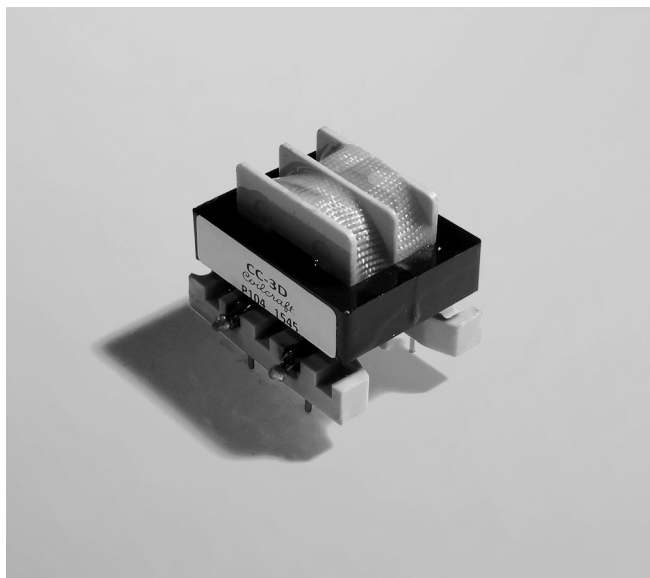


Common Mode Line Choke P104



Designed to reduce line conducted interference (LCI) in power switching applications at 10 kHz or higher. This part designed to meet U.L. and V.D.E. specifications.

This product is not RoHS-compliant. An optional RoHS-compliant version is available as part number P104L. Contact Coilcraft for stock status.

Core material Ferrite

Terminations Tin-silver over tin over copper.

Weight 21.2 g

Ambient temperature -40°C to +85°C

Storage temperature Component: -40°C to +85°C.
Tray packaging: -40°C to +80°C

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

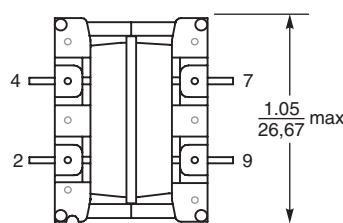
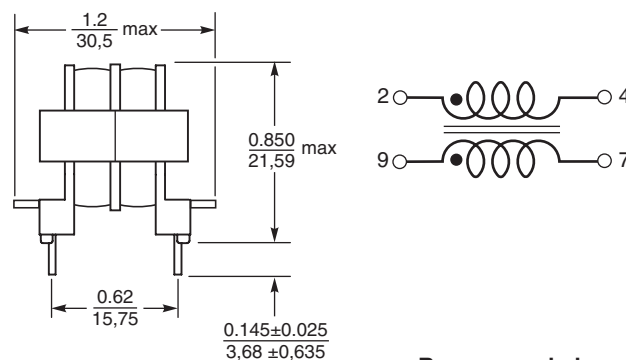
Failures in Time (FIT) / Mean Time Between Failures (MTBF)
38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 30 parts per tray

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number	Inductance per winding ¹ min (mH)	Differential mode inductance ² max (μH)	DCR max (Ohms)	Input current max (A)	Winding imbalance	Isolation ³ (Vrms)
P104	2.7	75	0.2	2.0	<1%	3750

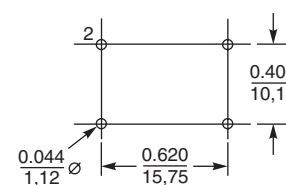
1. Inductance is measured at 15.75 kHz, 0.1 Vrms, 0 Adc from pins 2 – 4 or 7 – 9.
2. Differential mode inductance is measured at 15.75 kHz, 0.1 Vrms, 0 Adc across pins 2 – 9, with pins 4 – 7 shorted.
3. Isolation (hipot) tested between windings for one minute.
4. Electrical specifications at 25°C.



Bottom view

Dimensions are in $\frac{\text{inches}}{\text{mm}}$

Recommended PC Board Layout



www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore + 65-6484 8412 sales@coilcraft.com.sg

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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.