

Common Mode Choke – G6252-AL

This low cost, high performance choke coil is designed to reduce AC line conducted common mode noise produced by switching power supplies.

For free evaluation samples, contact Coilcraft or visit **www.** coilcraft.com.

- 2500 Vrms, one minute isolation between windings.
- UL1446 Class B (130°C) Insulation System (UL File E83628)

Part number	Current rating ¹	DCR max ² (Ohms)	Inductance ³ min (mH)	Leakage inductance ⁴ max (µH)	SRF⁵ typ (kHz)	Capacitance ⁶ max (pF)
G6252-AL	300 mA	2.1	10.5	450	240	7.0

1. Based on 300 circular mils/Amp. Temperature rise is less than 10°C.

2. DCR is maximum per winding.

3. Inductance is per winding; measured at 1.0 Vrms, 15.75 kHz.

4. Leakage inductance measured at 1.0 Vrms, 15.75 kHz between pins 2 and 3 with pins 7 and 6 shorted.

5. SRF is typical per winding.

6. Capacitance measured at 1.0 Vrms, 15.75 kHz between pins 2 and 7.

7. Operating temperature range -40° C to $+85^{\circ}$ C.

8. Electrical specifications at 25°C.

Dimensions







Typical Application



Typical Attenuation (Ref: 50 Ohms)



Bottom View Weight: 9.5 g Packaged 49 per tray



Board Layout





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

Document 410 Revised 04/20/12

© Coilcraft Inc. 2012

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