CMC 14 Common Mode Chokes Series
High Grade - Improved Temperature Stability

- Less than 20 % performance variations versus temperature (-55 °C/ +125 °C)
- Minimum impedance attenuation : 100 Ω from 100 kHz to 30 MHz
- Compact SMD package (2x4 pins)
- Applied standards : MIL-STD-202, ECSS-Q-ST-70-02C, DO-160 and ESCC 3201 generic specification for space products
- Materials meet UL94-V0 rating
- Thermal index according to IEC85 : H (180 °C)
- Operating/storage temperature range : -55 °C to +125 °C
- Approx weight : 5 grams

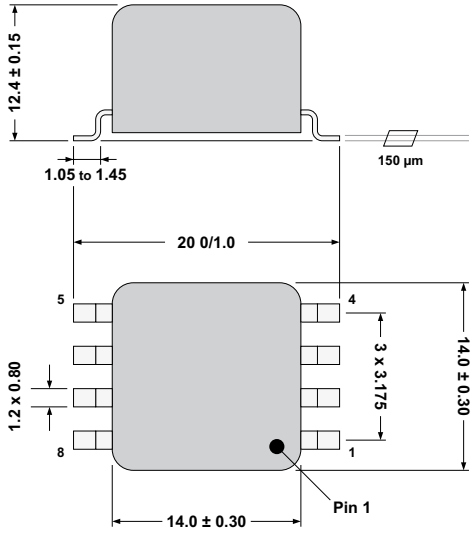
Electrical Data

ID Code	Inductance Value at 25°C (-40/+35%)	MAX RMS Current for ΔT = 40°C	MAX DC Resistance (25°C)
CMC14 M14 2WR	140 µH	7.2 A	2.7 mΩ
CMC14 M25 2WR	248 µH	6.4 A	3.5 mΩ
CMC14 M39 2WR	387 µH	5.7 A	4.4 mΩ
CMC14 M56 2WR	558 µH	5.4 A	5.0 mΩ
CMC14 M76 2WR	760 µH	4.5 A	7.0 mΩ
CMC14 M99 2WR	992 µH	3.8 A	10.0 mΩ
CMC14 1M2 2WR	1255 µH	3.2 A	14.0 mΩ
CMC14 1M5 2WR	1550 µH	2.6 A	20.0 mΩ
CMC14 2M2 2WR	2232 µH	2.2 A	29.0 mΩ

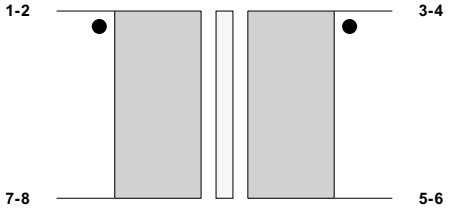
Notes

1. Dielectric strength test : 500v (50Hz - 1min)
2. Max power dissipation at +125°C : 400mW
3. Heat increase at Max current ≤25°C
4. 1:1 ratio (sector wound construction)
5. Interwinding capacitances <15 pF
6. Variation of «L» values over the working temperature range ≤15 %
7. Admissible temp. during reflow soldering : +260°C / 30 seconds

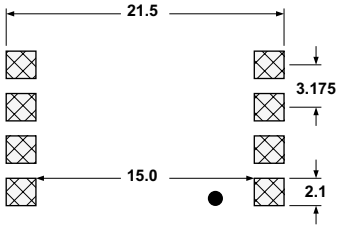
Typical Dimensions
(mm, top view)



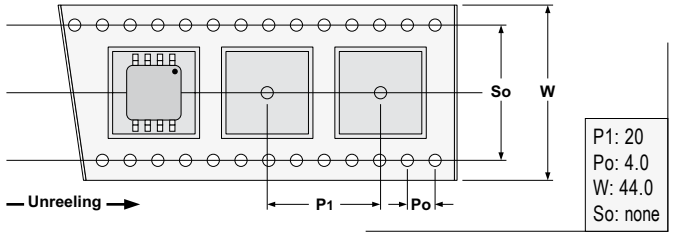
Connections



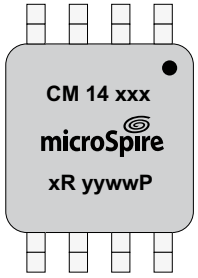
PCB Layout
(suggested)



Packaging
Tape and Reel:
200 units per reel of diameter 330 mm



Marking



yyww :
Date code