

## CMP Series • Common Mode Toroidal Chokes

### Features

- Designed for DC/DC Converters
- Excellent Impedance characteristics with optimum size upto current ratio
- SMD design ideal for pick and place compatibility
- Manufactured in ISO 9001:2015 and ISO 14001:2015 certified Talema facility
- Meets lead free reflow level J-STD-020F
- Fully RoHS & REACH Compliant



### Electrical Specifications @25°C

Test frequency: Inductance measured @100KHz / 20mV

Test voltage between windings: 1000Vrms

Operating temperature range: -40°C to +125°C

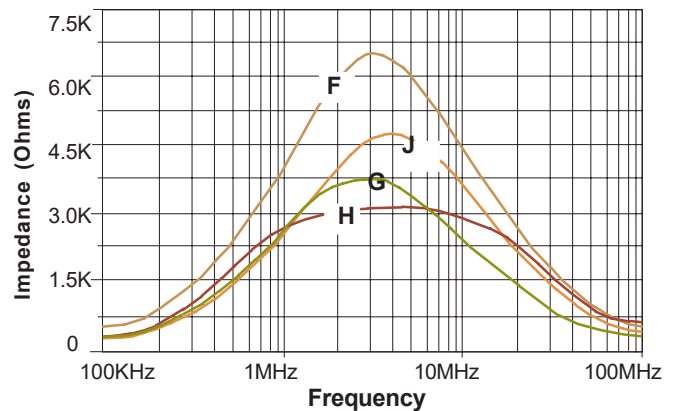
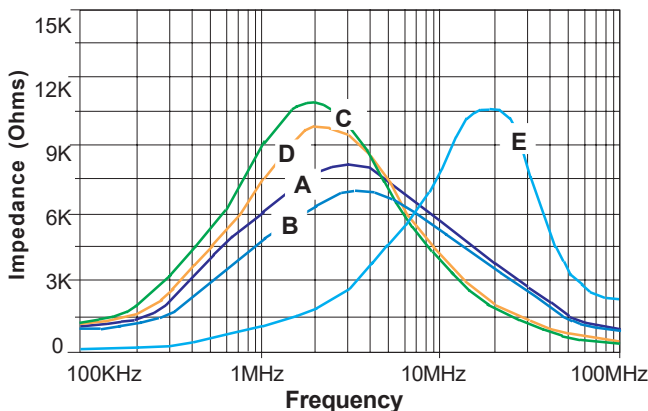
Climatic Category: IEC68-1 40/125/56

| Part Number     | Turns Ratio ±2% | Rated Current (I <sub>DC</sub> ) | Inductance (mH) ±35% | Leakage Inductance (µH Nominal) | DCR Maximum (mOhm) | Schematic | Package Size Code |      | Impedance Curve | Weight (Grams) |
|-----------------|-----------------|----------------------------------|----------------------|---------------------------------|--------------------|-----------|-------------------|------|-----------------|----------------|
|                 |                 |                                  |                      |                                 |                    |           | SMD               | THT  |                 |                |
| CMP_-1.22-1.17  | 1 : 1           | 1.22                             | 1.170                | 8.296                           | 200                | A         | SC2               | TC2  | A               | 1.1            |
| CMP_-1.63-0.88  | 1 : 1           | 1.63                             | 0.884                | 5.807                           | 110                | A         | SC2               | TC2  | B               | 1.3            |
| CMP_-2.80-1.47  | 1 : 1           | 2.80                             | 1.470                | 9.630                           | 80                 | A         | SC5               | TC5  | C               | 4.0            |
| CMP_-3.30-1.32  | 1 : 1           | 3.30                             | 1.320                | 8.130                           | 60                 | A         | SC5               | TC5  | D               | 4.3            |
| CMP_-3.30-0.23  | 1 : 1           | 3.30                             | 0.225                | 8.175                           | 60                 | A         | SC5               | TC5  | E               | 4.4            |
| CMP_-4.70-0.77  | 1 : 1           | 4.70                             | 0.768                | 4.559                           | 40                 | A         | SC5               | TC5  | F               | 4.6            |
| CMP_-5.60-0.59  | 1 : 1           | 5.60                             | 0.590                | 3.891                           | 28                 | A         | SC5               | TC5  | J               | 5.0            |
| CMPS-1.22-1.17P | 1 : 1           | 1.22                             | 1.170                | 8.296                           | 200                | B         | SC2               | --   | A               | 1.1            |
| CMPS-1.63-0.88P | 1 : 1           | 1.63                             | 0.884                | 5.807                           | 110                | B         | SC2               | --   | B               | 1.3            |
| CMPS-2.80-1.47P | 1 : 1           | 2.80                             | 1.470                | 9.630                           | 80                 | B         | SC5               | --   | C               | 4.0            |
| CMPS-3.30-1.32P | 1 : 1           | 3.30                             | 1.320                | 8.130                           | 60                 | B         | SC5               | --   | D               | 4.3            |
| CMPS-3.30-0.23P | 1 : 1           | 3.30                             | 0.225                | 8.175                           | 60                 | B         | SC5               | --   | E               | 4.4            |
| CMPS-4.70-0.77P | 1 : 1           | 4.70                             | 0.768                | 4.559                           | 40                 | B         | SC5               | --   | F               | 4.6            |
| CMPS-5.60-0.59P | 1 : 1           | 5.60                             | 0.590                | 3.891                           | 20                 | B         | SC5               | --   | J               | 5.0            |
| CMP_-7.20-0.53  | 1 : 1           | 7.20                             | 0.530                | 4.536                           | 15                 | -         | SHC6              | THC6 | H               | 7.3            |
| CMPS-9.70-0.81  | 1 : 1           | 9.70                             | 0.809                | 7.408                           | 14                 | -         | SHC7              | --   | F               | 13.0           |
| CMPS-11.6-0.63  | 1 : 1           | 11.6                             | 0.630                | 5.482                           | 10                 | -         | SHC7              | --   | J               | 14.0           |
| CMPS-14.0-0.47  | 1 : 1           | 14.0                             | 0.473                | 4.531                           | 8                  | -         | SHC7              | --   | G               | 14.0           |

**Note:** When ordering, add "S" or "T" to the basic part number to denote preferred mounting style.

**Example:** CMPS-1.22-1.17 for SMD (or) CMPT-1.22-1.17 for through hole.

### IMPEDANCE CURVES





**Regional Locations - Design, Manufacturing, Sales & Marketing**

**Talema Group Regional Offices**

**North America**

**United States  
(Sales & Marketing)**

**Talema Group, LLC**  
 PO Box 935  
 900 Innovation Drive  
 Suite 120, Rolla  
 Missouri 65402  
 Tel: +1 573-303-3675  
 E-Mail:  
 sales@talemagroup.com  
 Web: www.talema.com

**Asia**

**India  
(Design, Manufacturing, Sales & Marketing)**

**Administrative Office**  
**Talema Electronic India Private Limited**  
 Door No. 221, 1st and 2nd Floor  
 KJ Plaza, Opp.to Vidya Mandir School  
 Meyanoor Main Road  
 Salem - 636 004 Tamil Nadu INDIA  
 Tel: +91 427 - 243 3100  
 Fax: +91 427 - 243 3109  
 E-Mail: talema@talemaindia.net  
 Web: www.talema.com

**Factory Premises**  
**Talema Electronic India Private Limited**  
 Plot Nos. 30, 31 Electrical and Electronic  
 Industrial Estate  
 Suramangalam  
 Salem - 636 005 Tamil Nadu INDIA  
 Tel: +91 427 - 243 3000  
 E-Mail: talema@talemaindia.net  
 Web: www.talema.com

**Europe**

**Germany  
(Design, Sales & Marketing)**

**Talema Elektronik GmbH**  
 Sembdnerstr. 5  
 82110 Germering  
 Tel: +49 89 - 841 00 - 0  
 Fax: +49 89 - 841 00 25  
 E-Mail: info@talema.de  
 Web: www.talema.com

**Ireland  
(Design, Sales & Marketing)**

**Nuvotem TEO**  
 Units W & X, Gweedore Business Park  
 Derrybeg, Letterkenny, Co. Donegal  
 Tel: +353 (0) 74 95 48666  
 Fax: +353 (0) 74 95 48139  
 E-Mail: info@nuvotem.com  
 Web: www.nuvotem.com

**Czech Republic  
(Design, Manufacturing, Sales & Marketing)**

**NT Magnetics s.r.o.**  
 Chebská 27  
 322 00 Plzeň  
 Tel: +420 377 - 338 351  
 Fax: +420 377 - 338 350  
 E-Mail: talema@talema.cz  
 Web: www.ntmagnetics.cz

**Locations of Talema Group Regional Offices**

