

## 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-020C
- 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

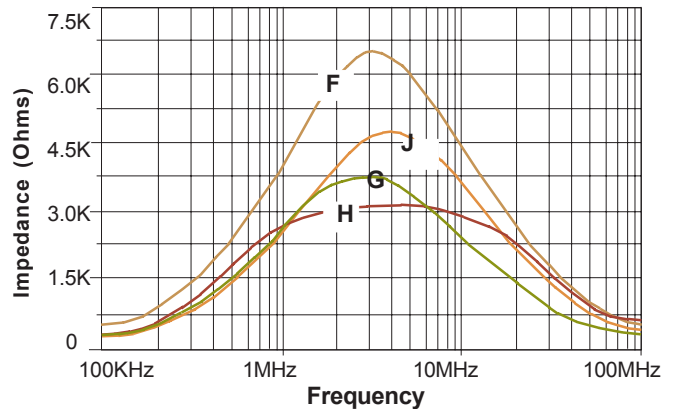
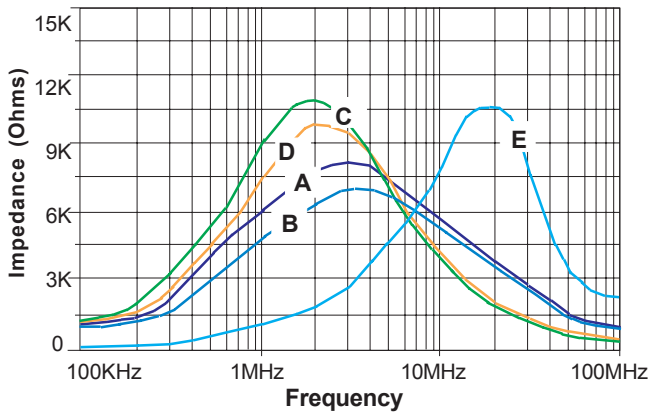
Climatic Category: IEC68-1 40/125/56

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

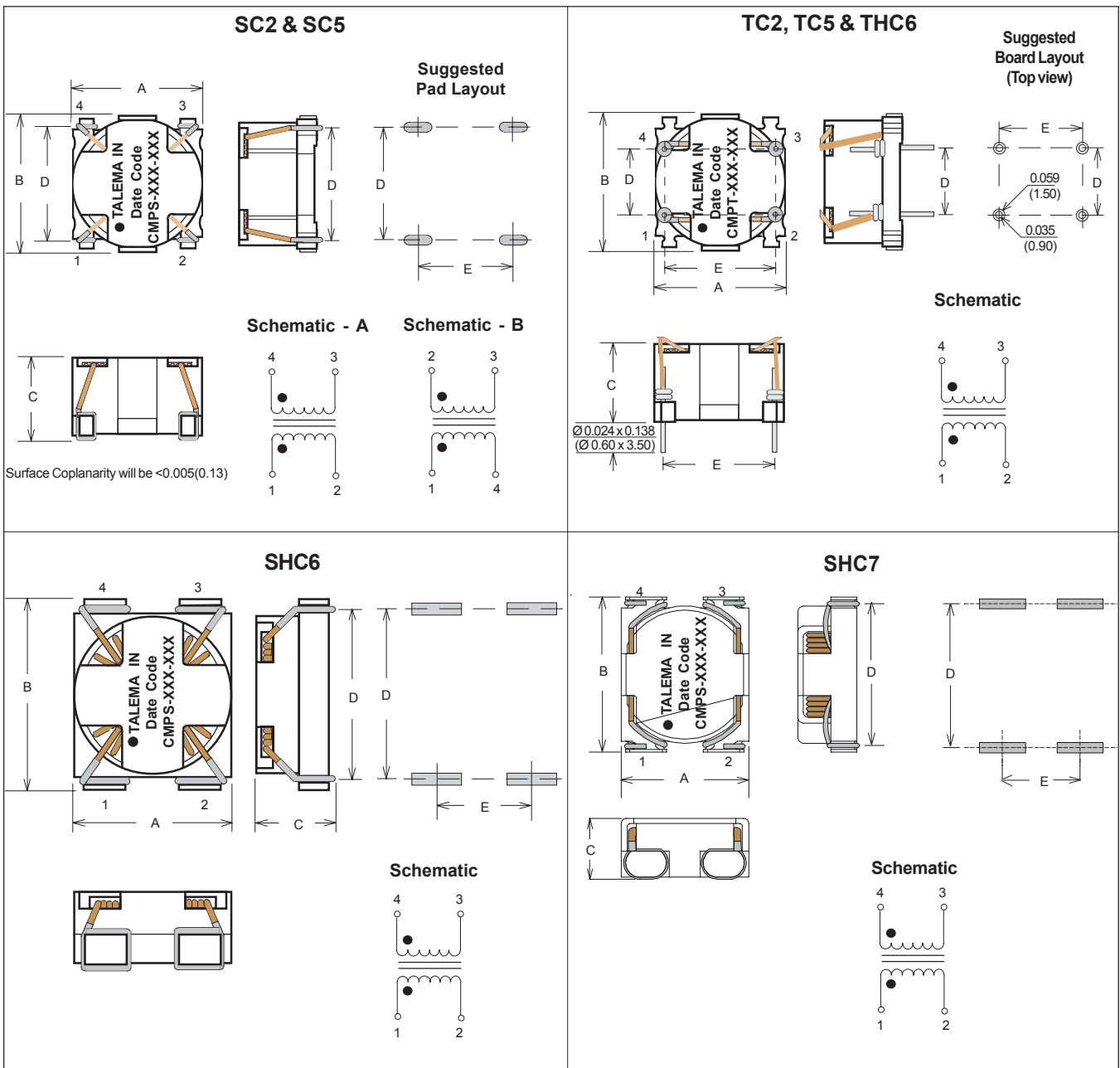
**Note:** When ordering, add "S" or "T" to the basic part number to denote preferred mounting style.

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

### IMPEDANCE CURVES



## CMP Series • Surface Mount Common Mode Toroidal Chokes



Mounting Style	Size Code	Dimension Tolerance - Inches $\pm 0.010$ (mm $\pm 0.25$ )						
		A	B	C	D	E	Pad Length	Pad Width
SMD	SC2	0.472 (12.00)	0.472 (12.00)	0.213 (5.40)	0.410 (10.40)	0.330 (8.38)	4 x 0.175(4.45)	4 x 0.060 (1.52)
	SC5	0.662 (16.82)	0.760 (19.31)	0.390 (9.91)	0.660 (16.76)	0.445 (11.30)	4 x 0.175(4.45)	4 x 0.060 (1.52)
	SHC6	1.000 (25.40)	1.104 (28.05)	0.394 (10.00)	1.010 (25.65)	0.620 (15.75)	4 x 0.300(7.62)	4 x 0.080 (2.03)
	SHC7	1.000 (25.40)	1.220 (30.99)	0.500 (12.70)	1.100 (27.94)	0.600 (15.24)	4 x 0.400(10.16)	4 x 0.155 (3.94)
THT	TC2	0.472 (12.00)	0.472 (12.00)	0.198 (5.02)	0.400 (10.16)	0.350 (8.89)	NA	NA
	TC5	0.662 (16.82)	0.760 (19.31)	0.362 (9.20)	0.500 (12.70)	0.500 (12.70)	NA	NA
	THC6	1.000 (25.40)	1.104 (28.05)	0.358 (9.08)	1.000 (25.40)	0.600 (15.24)	NA	NA

**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](mailto:sales@talemagroup.com)  
 Web: [www.talema.com](http://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](mailto:talema@talemaindia.net)  
 Web: [www.talema.com](http://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](mailto:talema@talemaindia.net)  
 Web: [www.talema.com](http://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](mailto:info@talema.de)  
 Web: [www.talema.com](http://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](mailto:info@nuvotem.com)  
 Web: [www.nuvotem.com](http://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](mailto:talema@talema.cz)  
 Web: [www.ntmagnetics.cz](http://www.ntmagnetics.cz)

**Locations of Talema Group Regional Offices**

