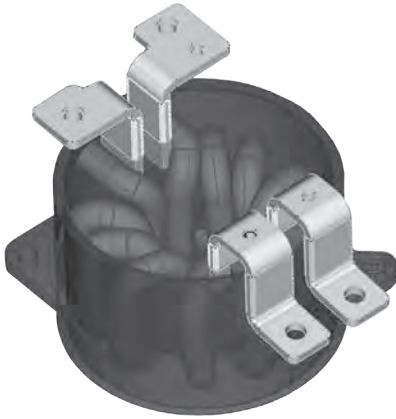


Overmolded Nanocrystalline Toroids

Overmolded Nanocrystalline toroid in an aluminium casing with fixed lugs for power common mode chokes and inductors. Ideal for embedded application: Marine, Aeronautics, VTOL, Automotive. Capabilities to integrate filtering capacitors inside.



Key Benefits

- Easy to mount: turnkey solution including: winding + mechanics + multiple connections (bus bar, cable lug, terminal block, connector)
- Volume and weight savings vs ferrites and silicon iron cores
- Stability of inductance across the temperature range -40°C to 150°C
- Very low losses

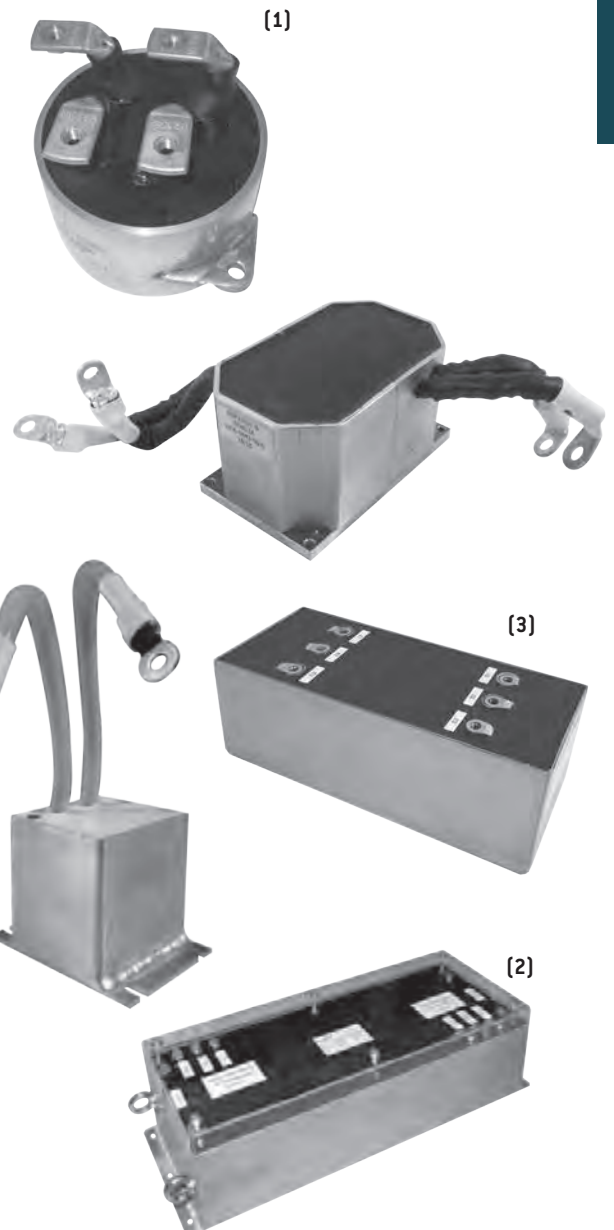
Technical characteristics

Frequency	Up to 10 MHz
Insulation class	Up to 200°C
Molding	Epoxy, Polyurethane

Examples of Inductors

Functionality	Inductance	Current (A)	Harmonic	Com. mode current	Weight (kg)	L x W x H* (mm)	Specific features
CMC	2 x 330 μH	125	0,8 A @ 10 kHz 0,1 A @ 100 kHz	-	1	Ø90 x H71	High current, automotive application [1]
DMC	350 μH	40	12 Apk @ 32 kHz	-	3	Ø95 x H92	Full-bridge converter application, marine environment
CMC	2 x 5 mH	70	-	-	1.5	100 x 100 x 62	High current, marine environment for engine room
DMC	2 x 1.5 μH	100	-	-	0.7	80 x 80 x 45	Filtering for civil aviation application
CMC	3 x 200 mH	48	-	0.2 A @ 10 kHz	25	150 x 520 x 155	Filtering integrated with capacitors, Sonar application [2]
CMC	3 x 30 mH	67.6 A @ 60Hz/16s +9 A @ 60Hz/112s	-	0.06 A @ 9 kHz	6.4	90 x 230 x 100	Short time operating, Sonar application [3]

* L = Lengths - W = Width - H = Height



HIGH POWER TECHNOLOGY