

### Features

- High attenuation over a wide frequency range
- Low interwinding and coupling capacitance
- Wide inductance range
- Compact and miniature sizes for high density packaging
- Excellent quality at extremely competitive price due to high volume production
- Manufactured in ISO-9001 approved Talema facility
- Other inductance values available upon request

### Electrical Specifications @ 25°C

Ratings @ 25°C ambient

Operating temperature: 0 to 70°C

Storage temperature: -25° to +105°C

Test voltage between windings: 500 Vrms

Test frequency: Inductance measured @ 100kHz/20 mVrms



Part Number	$L_N$ (μH) ±30%	$I_N$ (mA)	$L_L$ (μH)	$R_{CU}$ (mOhms)	$V_P$ (Vrms)	Windings per Core	Package	Schematic
<b>CK Series - Current Compensated EMI noise suppression chokes fore data and signal line filtering</b>								
CKV-0.12-A	120	100	0.35	90	500	2	V	A
CKV-4.7-A	4700	100	0.85	460	500	2	V	A
CKV-10-A	10000	100	1.15	670	500	2	V	A
CKV-16-A	16000	100	1.20	830	500	2	V	A
CKV-38-A	38000	100	2.30	2600	500	2	V	A
CKV-68-A	68000	100	2.30	4630	500	2	V	A
<b>CD Series - Double Chokes for EMI noise suppression of U Interface</b>								
CD__-1.0-A	1000	600	0.40	180	500	2	F, V, S, W	A
CD__-1.7-A	1700	550	0.42	200	500	2	F, V, S, W	A
CD__-2.2-A	2200	350	0.45	300	500	2	F, V, S, W	A
CD__-3.3-A	3300	350	0.50	370	500	2	F, V, S, W	A
CD__-4.7-A	4700	350	0.55	430	500	2	F, V, S, W	A
CD__-6.8-A	6800	350	0.55	510	500	2	F, V, S, W	A
CD__-10-A	10000	350	0.65	620	500	2	F, V, S, W	A
CD__-12-A	12000	300	0.70	680	500	2	F, V, S, W	A
CD__-15-A	15000	300	0.80	760	500	2	F, V, S, W	A
CD__-22-A	22000	300	0.85	920	500	2	F, V, S, W	A
CD__-28-A	28000	300	0.95	1020	500	2	F, V, S, W	A
CD__-33-A	33000	300	1.05	1120	500	2	F, V, S, W	A
CD__-50-A	50000	300	1.35	1800	500	2	F, V, S, W	A
CD__-70-A	70000	300	2.00	2150	500	2	F, V, S, W	A
<b>CQ Series - Quad Chokes for EMI noise suppression of S Interface</b>								
CQ__-1.0-B	1000	400	0.40	200	500	4	F, V, S, W	B
CQ__-1.7-B	1700	350	0.40	260	500	4	F, V, S, W	B
CQ__-2.2-B	2200	300	0.45	310	500	4	F, V, S, W	B
CQ__-3.3-B	3300	300	0.50	380	500	4	F, V, S, W	B
CQ__-5.0-B	5000	300	0.55	450	500	4	F, V, S, W	B
CQ__-6.8-B	6800	300	0.55	850	500	4	F, V, S, W	B
CQ__-10-B	10000	300	0.65	1060	500	4	F, V, S, W	B
CQ__-12-B	12000	250	0.65	1120	500	4	F, V, S, W	B
CQ__-58-B	58000	200	1.50	2400	500	4	F, V, S, W	B
CQ__-90-B	90000	150	2.00	4150	500	4	F, V, S, W	B

When ordering Series CD or CQ, use suffix "F", "V" or "J" to designate desired package style.

CDF/CQF = Flat package, through-hole, DIL mount

CDV/CQV = Vertical package, through hole, DIL mount

CDJ/CQJ = Surface Mount, 16,6 x 13,2 mm

See adjacent page for dimensions and schematics

## Packaging Style • CK, CD & CQ Series • Common Mode Interface Chokes

Dimensions: Inches (Millimeters)  
Tolerance:  $\pm 0.010$  (0.25) unless specified otherwise

Surface Coplanarity will be 0.004(0.10) maximum

Package Style	Schematic
<b>CKV</b>	<b>A</b>
<b>CDF / CQF</b>	<b>A</b> <b>B</b>
<b>CDV / CQV</b>	<b>A</b> <b>B</b>
<b>CDJ / CQJ</b> <p><b>Suggested Pad Layout</b></p>	<b>A</b> <b>B</b>