Series LCT



UL Recognized CSA Certified

Capacitance components enhance the filtering performance but may alter the signal as it passes through the RJ Jack. A low capacitance model allows additional filter performance without significant effect on the signal itself. Corcom's new LCT models provide improved performance over L models without impact on the signal. These parts are particularly suited for ethernet applications.

These models are available in shielded models only, with either panel or board ground.

Specifications

Contacts

Material:	Phosphor bronze
Plating:	50 microinches gold
Barrier underplating:	100 microinches nickel
Resistance:	
Initial:	20 milliohms maximum
After durability testing	
(500 mating cycles):	30 milliohms maximum

Capacitors

Туре:	Monolithic ceramic chip
Standard value:	82 pF
Standard tolerance:	±20%

Ferrites

Туре:	High resistivity, nickel zinc ceramic
Sleeves:	Single-aperature cylinders
Block:	Multi-aperature rectangular prism

Shield Material

Solder-plated copper alloy

Housing Material

Glass-filled polyester (UL94V-O)

Dielectric Withstanding Voltage

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Line-to-line and line-to-ground	1000 VAC for
	60 seconds

Printed Circuit Board Retention	
Before soldering:	1 lb. minimum
After soldering:	20 lb. minimum

Model dimensions and PC board layout on pages 131 to 133.



Typical insertion loss in dB Line-to-ground (stop band) in a 50 ohm circuit

	Frequency-MHz						
	40	100	200	250	300	500	1000
Ferrite Sleeves	8	12	27	50	38	25	20
Ferrite Block	10	18	22	55	40	28	24

Typical insertion loss in dB Line-to-line (pass band) in a 50 ohm circuit

	Frequency-MHz						
	2	5	10	30	50	70	100
Ferrite Sleeves		1.2	1.9	4	5	7	10
Ferrite Block	1	2	3	5	8	10	13

Pricing

Consult your local Corcom sales representative for pricing.

Part No.	Part No.
RJ11-6LCT1-S	RJ45-8LCT1-S
RJ11-6LCT1-B	RJ45-8LCT1-B
RJ11-6LCT2-S	RJ45-8LCT2-S
RJ11-6LCT2-B	RJ45-8LCT2-B