





MULTILAYER CHIP RF INDUCTORS

PE-XXXXCLHxxxSTS SERIES



-  Monolithic inorganic material construction
-  Low DC resistance supports higher DC bias currents
-  Magnetically Shielded for low Cross coupling
-  Industry Standard 0603, 0805 and 1008 size offered

0603 SIZE

Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C

Part Number	Inductance (uH)	Test Frequency (MHz)	DC Resistance		SRF (MHz MIN)	Saturation Current Typ. Isat (mA)	Heat Rated Current Max. Irms (mA)
			(mΩ MAX)	(Typical)			
PE-0603CLHR47STS	0.47	1	130	100	100	800	1050
PE-0603CLHR56STS	0.56	1	156	120	100	800	1050
PE-0603CLHR68STS	0.68	1	180	150	100	750	1050
PE-0603CLH1R0STS	1.0	1	260	200	98	600	900
PE-0603CLH1R5STS	1.5	1	312	240	95	400	750
PE-0603CLH1R8STS	1.8	1	312	240	95	400	750
PE-0603CLH2R2STS	2.2	1	312	240	95	400	750
PE-0603CLH4R7STS	4.7	1	650	500	65	350	700

0805 SIZE

Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C

Part Number	Inductance (uH)	Test Frequency (MHz)	DC Resistance		SRF (MHz MIN)	Saturation Current Typ. Isat (mA)	Heat Rated Current Max. Irms (mA)
			(mΩ MAX)	(Typical)			
PE-0805CLH1R0STS	1.0	1	137	110	75	800	1150
PE-0805CLH1R5STS	1.5	1	150	120	65	750	1100
PE-0805CLH2R2STS	2.2	1	250	200	50	600	950
PE-0805CLH3R3STS	3.3	1	275	220	35	400	800
PE-0805CLH4R7STS	4.7	1	375	300	25	300	750
PE-0805CLH6R8STS	6.8	1	375	300	25	200	600

1008 SIZE

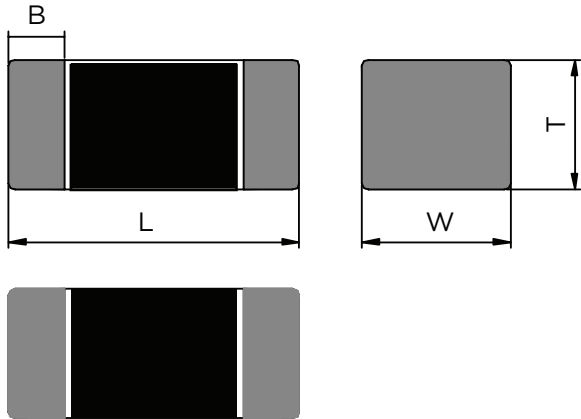
Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C

Part Number	Inductance (uH)	Test Frequency (MHz)	DC Resistance		SRF (MHz MIN)	Saturation Current Typ. Isat (mA)	Heat Rated Current Max. Irms (mA)
			(mΩ MAX)	(Typical)			
PE-1008CLH1R0STS	1.0	1	75	60	70	1400	1600
PE-1008CLH1R5STS	1.5	1	88	70	60	1100	1400
PE-1008CLH2R2STS	2.2	1	125	100	55	850	1300
PE-1008CLH3R3STS	3.3	1	175	140	30	650	1200
PE-1008CLH4R7STS	4.7	1	225	180	25	580	1100

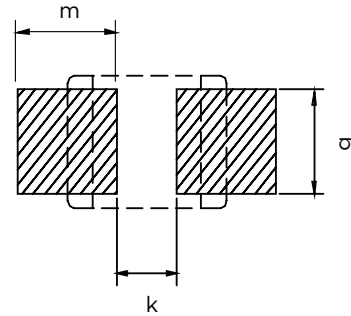
MULTILAYER CHIP RF INDUCTORS PE-XXXXCLHxxxSTS SERIES

CLH Series

DIMENSIONS



PCB Layout



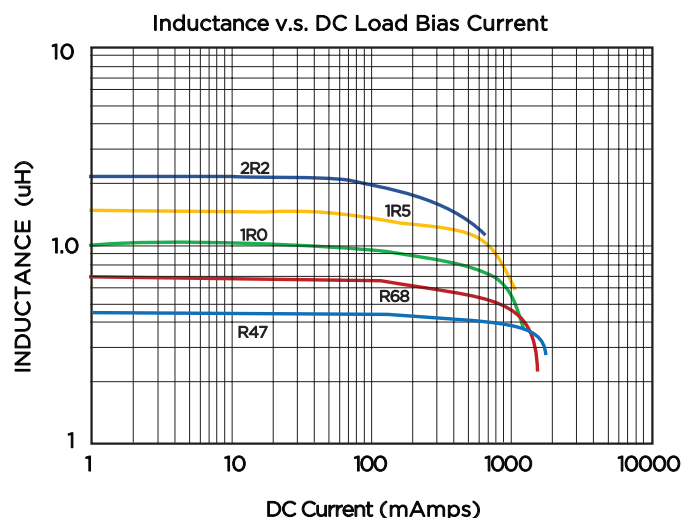
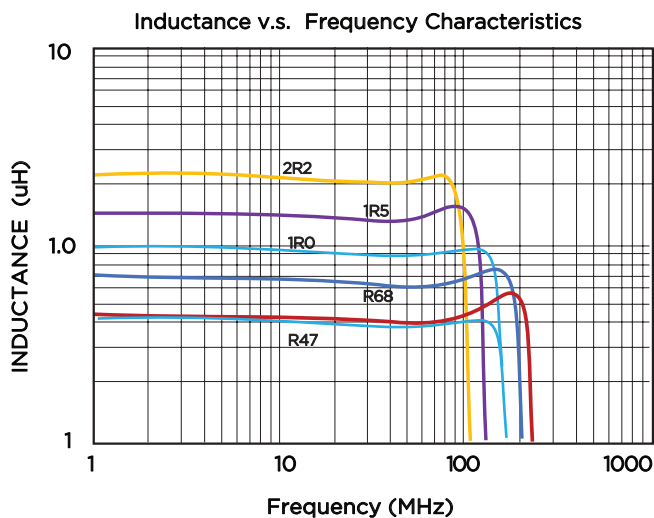
Dimensions:
Unless otherwise specified,
all tolerances are $\pm 0,25$

Mechanical Specification - Dimension in mm

Part Number	L	W	T	B	g	k	m	PACKING QUANTITY PER REEL
PE-0603CLHXXXSTS	1.60 +/- 0.2	0.80 +/- 0.2	0.80 +/- 0.2	0.30 +/- 0.2	1.27	0.70	0.64	4000
PE-0805CLHXXXSTS	2.00 +/- 0.2	1.20 +/- 0.2	0.90 +/- 0.2	0.50 +/- 0.2	1.78	0.76	1.02	4000
PE-1008CLHXXXSTS	2.50 +/- 0.2	2.00 +/- 0.2	1.00 +/- 0.2	0.50 +/- 0.2	2.54	0.80	1.02	3000

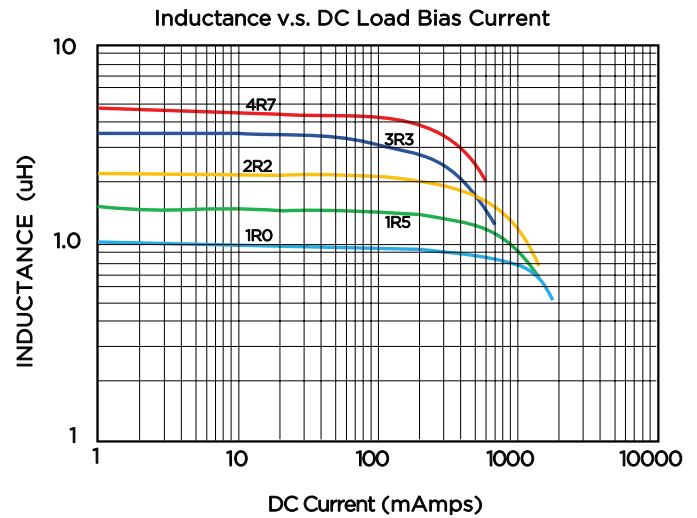
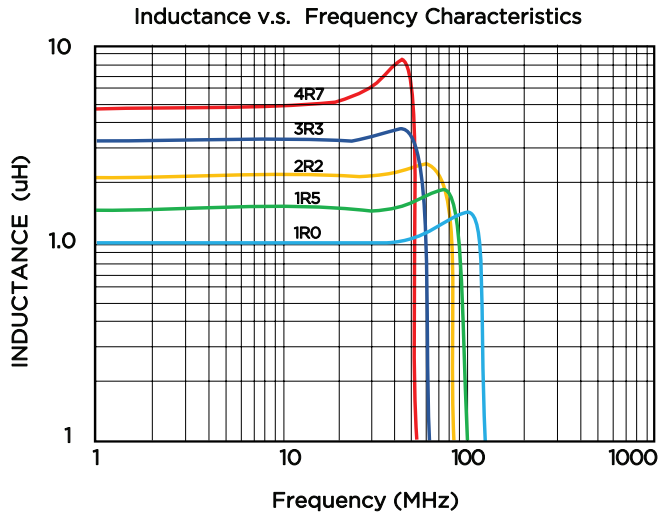
Characteristic Graphs

0603CLH Series

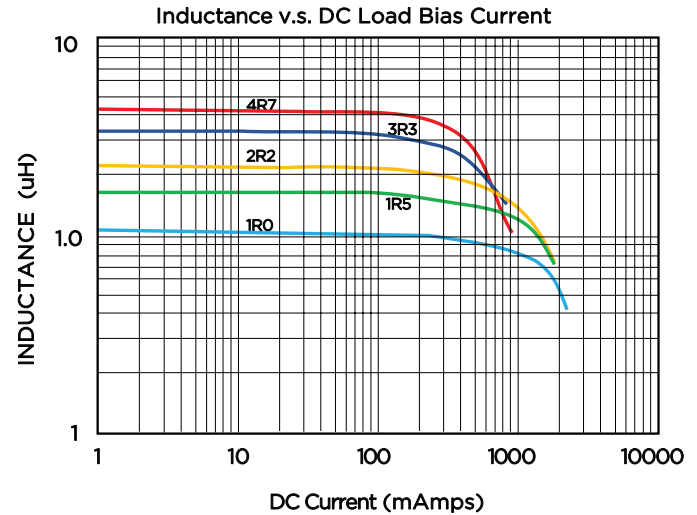
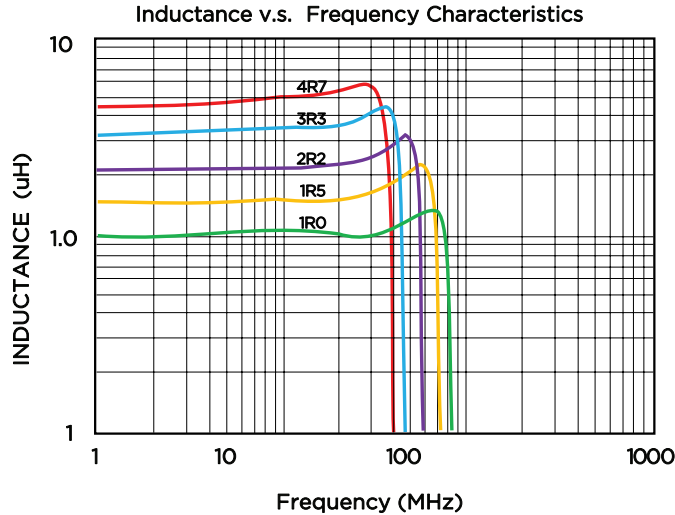


MULTILAYER CHIP RF INDUCTORS PE-XXXXCLHxxxSTS SERIES

0805CLH Series



1008CLH Series



For More Information:

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Mouser Electronics

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