

MOX-MXHQC-5750

MoxiE[®]
INDUCTOR CORPORATION

Surface Mount CHIP INDUCTORS (2220 SIZE)

MoxiE's MOX-MXHQC series of surface mount chip inductors are wound on a special ferrite core and are engineered to be used as a choke coil in DC power supply circuits.

Features:

- Low cost.
- Operating temperature: -40°C to +85°C.
- RoHS compliant.
- MoxiE Inductor Corporation custom designs available.

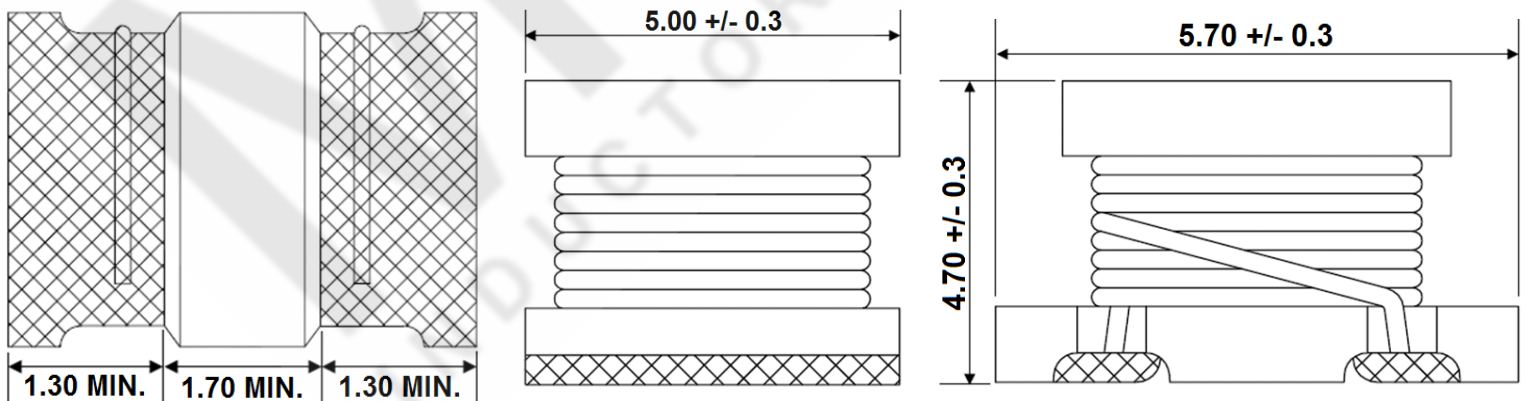


PACKAGING

MOXIE PART NUMBER	INNER REEL		OUTER CARTON		
	Q'TY (PCS)	G.W. (Kg)	Q'TY (PCS)	G.W. (Kg)	SIZE (cm)
MOX-MXHQC-5750	1000 PER REEL	0.16	6000	14	39 x 39 x 23

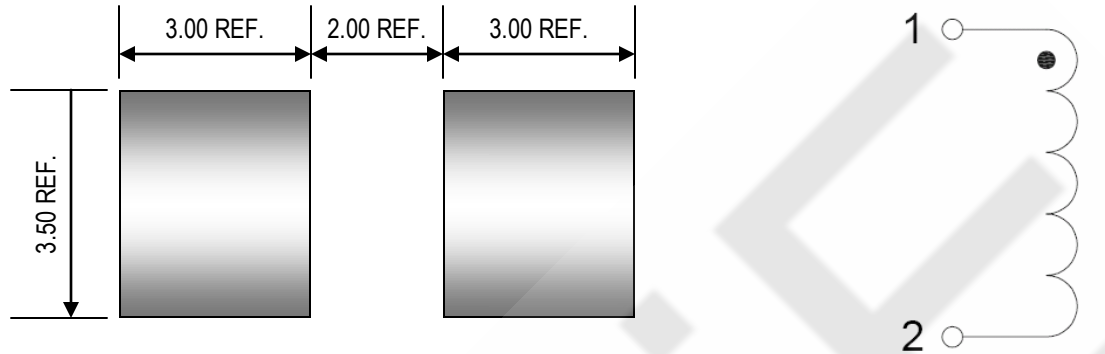


MECHANICAL DIMENSIONS (mm)





LANDING PATTERN & SCHEMATIC



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (μH) $\pm 20\%$	Test Frequency	Rated Current	DCR (Ω) $\pm 40\%$	SRF (min.)
MOX-MXHQC-5750-R12□	0.10	1 MHz	6000mA	0.007	450MHz
MOX-MXHQC-5750-R27□	0.27	1 MHz	5300mA	0.010	300MHz
MOX-MXHQC-5750-R47□	0.47	1 MHz	4800mA	0.013	200MHz
MOX-MXHQC-5750-1R0□	1.00	1 MHz	4000mA	0.019	150MHz
MOX-MXHQC-5750-1R5□	1.50	1 MHz	3700mA	0.022	110MHz
MOX-MXHQC-5750-2R2□	2.20	1 MHz	3200mA	0.029	80MHz
MOX-MXHQC-5750-3R3□	3.30	1 MHz	2900mA	0.036	40MHz
MOX-MXHQC-5750-4R7□	4.70	1 MHz	2700mA	0.041	30MHz
MOX-MXHQC-5750-6R8□	6.80	1 MHz	2000mA	0.074	25MHz
MOX-MXHQC-5750-100□	10.00	1 MHz	1700mA	0.093	20MHz
MOX-MXHQC-5750-150□	15.00	1 MHz	1400mA	0.15	17MHz
MOX-MXHQC-5750-220□	22.00	1 MHz	1200mA	0.19	15MHz
MOX-MXHQC-5750-330□	33.00	1 MHz	900mA	0.32	12MHz
MOX-MXHQC-5750-470□	47.00	1 MHz	800mA	0.40	10MHz
MOX-MXHQC-5750-680□	68.00	1 MHz	640mA	0.67	7.6MHz
MOX-MXHQC-5750-101□	100.00	100kHz	560mA	0.86	6.5MHz
MOX-MXHQC-5750-151□	150.00	100kHz	420mA	1.90	5.0MHz
MOX-MXHQC-5750-221□	220.00	100kHz	320mA	2.40	4.0MHz
MOX-MXHQC-5750-331□	330.00	100kHz	270mA	4.40	3.1 MHz
MOX-MXHQC-5750-471□	470.00	100kHz	240mA	5.40	2.4MHz
MOX-MXHQC-5750-681□	680.00	100kHz	190mA	8.10	1.9MHz
MOX-MXHQC-5750-102□	1000.00	10kHz	150mA	10.30	1.7MHz
MOX-MXHQC-5750-221□	2200.00	10kHz	100mA	21.50	1.2MHz
MOX-MXHQC-5750-471□	4700.00	10kHz	70mA	43.60	0.8MHz

MOXIE NOTES:

- AMBIENT TEMPERATURE: 20°C.
- OPERATING TEMPERATURE: -40° TO + 85°C.
- STORAGE TEMPERATURE: -40° TO + 125°C.
- TOLERANCES: J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$
- RATED CURRENT BASED ON TEMPERATURE RISE & $\Delta L / L_0A = 10\%$ MAXIMUM
- MOXIE INDUCTOR CORPORATION SPECIFICATOINS ARE SUBJECT TO CHANGE WITHOUT NOTICE.