

# MOX-MXHQC-3225



## Surface Mount CHIP INDUCTORS (1206 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.

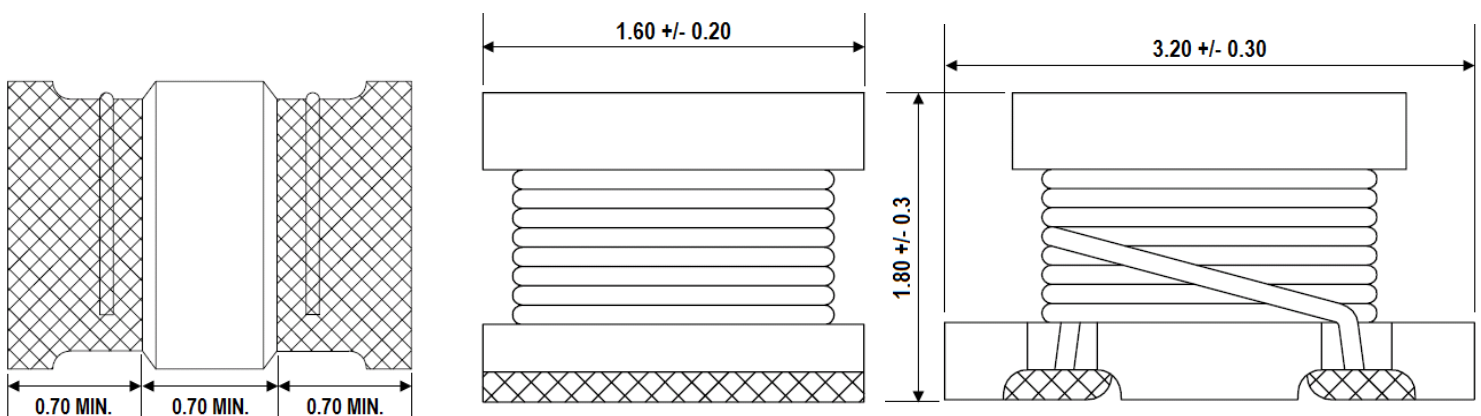


## PACKAGING

MOXIE PART NUMBER	INNER REEL		OUTER CARTON		
	Q'TY (PCS)	G.W. (Kg)	Q'TY (PCS)	G.W. (Kg)	SIZE (cm)
MOX-MXHQC-3225	2000 PER REEL	0.13	120000	12	39 x 39 x 23

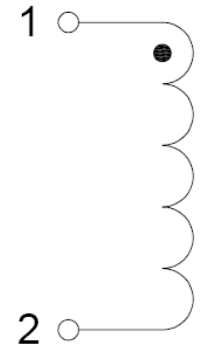
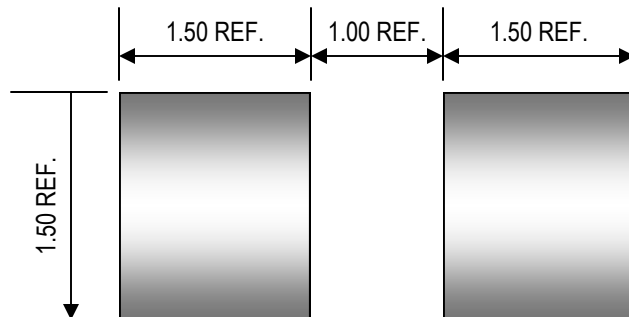


## MECHANICAL DIMENSIONS (mm)





## LANDING PATTERN & SCHEMATIC



## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance ( $\mu\text{H}$ )	Tolerance ( $\pm$ )	SRF (MHz) Min.	DCR ( $\Omega$ ) Max.	IDC (mA) Max.
MOX-MXHQC-3225-R12M	0.12	M	250	0.112	980
MOX-MXHQC-3225-R22M	0.22	M	250	0.140	860
MOX-MXHQC-3225-R47□	0.47	K, M	180	0.210	710
MOX-MXHQC-3225-1R0□	1.0	K, M	100	0.364	520
MOX-MXHQC-3225-2R2□	2.2	K, M	50	0.533	440
MOX-MXHQC-3225-4R7□	4.7	K, M	31	0.845	350
MOX-MXHQC-3225-100□	10	J, K	20	1.690	240
MOX-MXHQC-3225-220□	22	J, K	14	3.900	170
MOX-MXHQC-3225-470□	47	J, K	10	10.40	110
MOX-MXHQC-3225-101□	100	J, K	7.0	15.60	90

### 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.