

MOX-MXHQV-3225

High Current Wire Wound Ferrite Chip Inductors

MoxiE's MOX-MXHQV-3225 series of surface mount chip inductors are wound around a special ferrite core and are excellent to be used as a choke coil in DC power supply circuits.

Features:

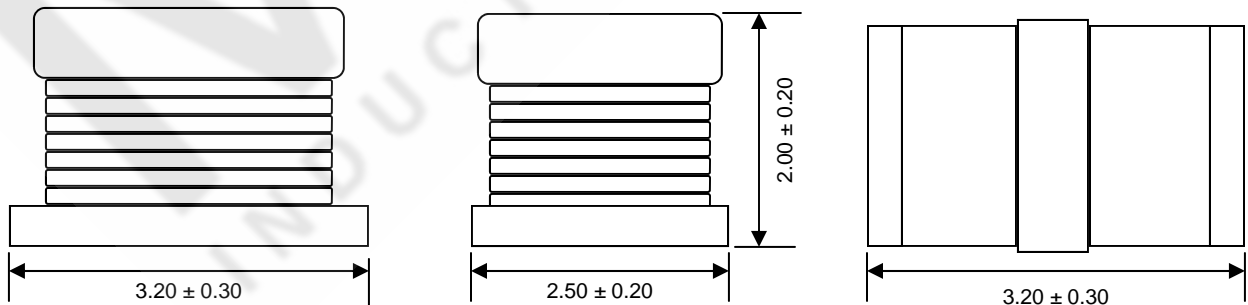
- Low cost.
- Excellent solderability & resistance to soldering heat.
- RoHS compliant.
- Wide range of inductance values to accommodate various designs.
- MoxiE Inductor Corporation custom designs available.



NOTES

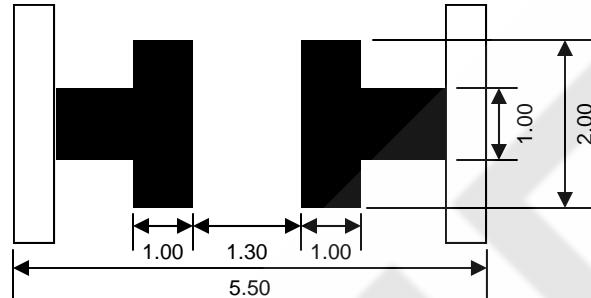


MECHANICAL DIMENSIONS





LANDING PATTERN



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (μH)	Tolerance (\pm)	Test Frequency (MHz)	DC Resistance ($\Omega \pm 30\%$)	SRF (MHz) Min.	Rated Current (mA)
MOX-MXHQV-3225-R15M	0.15	20	1.00	0.028	400	1450
MOX-MXHQV-3225-R27M	0.27	20	1.00	0.034	250	1275
MOX-MXHQV-3225-R47M	0.47	20	1.00	0.042	150	1125
MOX-MXHQV-3225-1R0M	1.00	20	1.00	0.060	100	1050
MOX-MXHQV-3225-2R2M	2.20	20	1.00	0.097	64	790
MOX-MXHQV-3225-4R7M	4.70	20	1.00	0.15	43	650
MOX-MXHQV-3225-100K	10.00	10	1.00	0.30	26	475
MOX-MXHQV-3225-100M	10.00	20	1.00	0.30	26	475



MOX-MXHQV-3225 ENGINEERING NOTES

- **Rated Current:** Self temperature rise shall be limited to 35°C maximum. Inductance drops 10% typical.
- **Available Tolerances:** K= $\pm 10\%$ & M = $\pm 20\%$
- **Operating Temperature:** -25°C to 105°C.
- **Soldering Heat:** 260°C for 10 seconds after 150°C preheat cycle for 4 minutes.
- **MoxiE Test Equipment:** (L) HP4192 LF Impedance Analyzer. (SRF) HP4291A RF Impedance Analyzer. (DCR) CH502BC.
- RoHS Compliant.
- **Packaging:** Tape & Reel (2000 pieces per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.