

MOX-MXHQC-4532-SERIES

MoxiE
INDUCTOR CORPORATION

Surface Mount Wire Wound Ferrite Chip Inductors

MoxiE's MOX-MXHQC-4532 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.
- RoHS compliant.
- High current capacity & low DC resistance.
- Excellent solderability & resistance to soldering heat.
- Suitable for use as choke coils in DC power supply circuits.
- Wide range of inductance values to accommodate various designs.

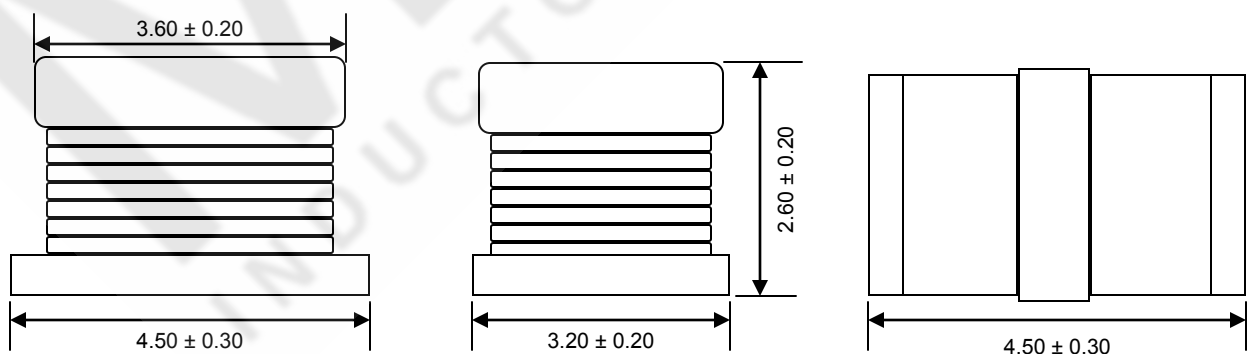


ENGINEERING NOTES

- **Rated Current:** Self temperature rise shall be limited to 35°C maximum. Inductance drops 10% typical.
- **Available Tolerances:** J=±5%, K= ±10%, M =±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 (500 pieces per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.

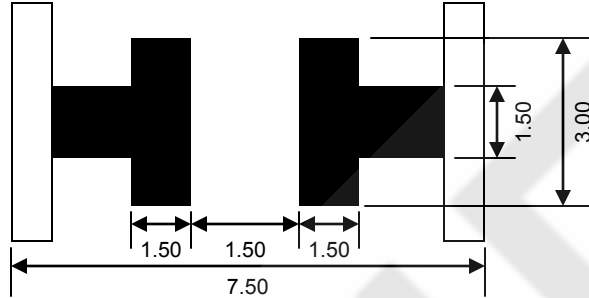


MECHANICAL DIMENSIONS





LANDING PATTERN



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (µH)	Tolerance % (J=5, K=10, M=20)	Test Frequency	DC Resistance (Ω Max.)	SRF (MHz) Min.	Rated Current (mA)
MOX-MXHQC-4532-1R0□	1.00	20	1.00 MHz	0.08	100	1090
MOX-MXHQC-4532-1R5□	1.50	20	1.00 MHz	0.09	85	1020
MOX-MXHQC-4532-2R2□	2.20	20	1.00 MHz	0.11	60	910
MOX-MXHQC-4532-3R3□	3.30	20	1.00 MHz	0.12	47	820
MOX-MXHQC-4532-4R7□	4.70	10/20	1.00 MHz	0.14	35	760
MOX-MXHQC-4532-6R8□	6.80	10/20	1.00 MHz	0.19	30	730
MOX-MXHQC-4532-100□	10.0	10/20	1.00 MHz	0.23	23	660
MOX-MXHQC-4532-150□	15.0	5/10	1.00 MHz	0.31	20	580
MOX-MXHQC-4532-220□	22.0	5/10	1.00 MHz	0.59	15	430
MOX-MXHQC-4532-330□	33.0	5/10	1.00 MHz	1.00	12	320
MOX-MXHQC-4532-470□	47.0	5/10	1.00 MHz	1.10	10	290
MOX-MXHQC-4532-681□	68.0	5/10	1.00 MHz	1.70	8.4	230
MOX-MXHQC-4532-101□	100.0	5/10	1.00 MHz	2.20	6.8	195
MOX-MXHQC-4532-151□	150.0	5/10	1.00 MHz	3.50	5.5	140
MOX-MXHQC-4532-221□	220.0	5/10	1.00 MHz	4.00	4.5	120
MOX-MXHQC-4532-331□	330.0	5/10	1.00 MHz	6.80	3.6	105
MOX-MXHQC-4532-471□	470.0	5/10	1.00 KHz	8.50	3.0	95