

MOX-MXHQV-4532-SERIES

MoxiE
INDUCTOR CORPORATION

Surface Mount Wire Wound Ferrite Chip Inductors

MoxiE's MOX-MXHQV-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.

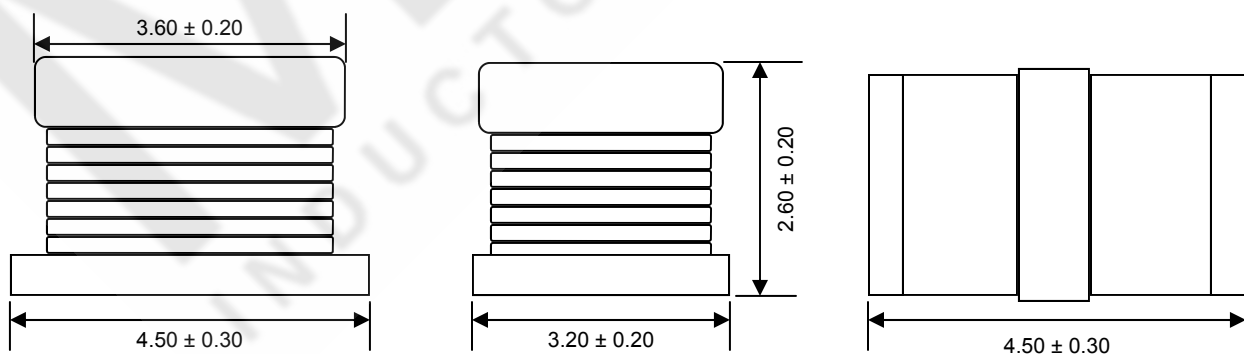


ENGINEERING NOTES

- **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.

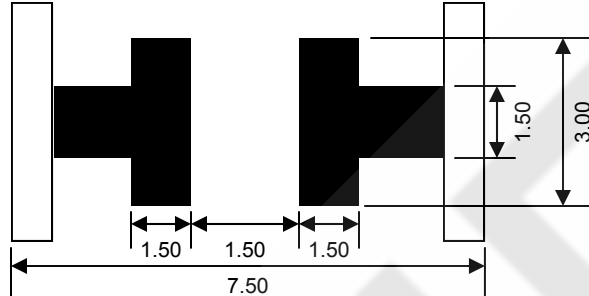


MECHANICAL DIMENSIONS





LANDING PATTERN



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (µH)	Tolerance % (J=5, K=10, M=20)	Q Min.	Test Frequency (MHz)	DC Resistance (Ω Max.)	SRF (MHz) Min.	Rated Current (mA)
MOX-MXHQV-4532-1R0□	1.0	20	20	1.00	0.20	120	500
MOX-MXHQV-4532-1R2□	1.2	20	20	1.00	0.20	100	500
MOX-MXHQV-4532-1R5□	1.5	20	20	1.00	0.30	85	500
MOX-MXHQV-4532-1R8□	1.8	20	20	1.00	0.30	75	500
MOX-MXHQV-4532-2R2□	2.2	20	20	1.00	0.30	62	500
MOX-MXHQV-4532-2R7□	2.7	20	20	1.00	0.32	53	500
MOX-MXHQV-4532-3R3□	3.3	20	20	1.00	0.35	47	500
MOX-MXHQV-4532-3R9□	3.9	20	20	1.00	0.38	41	500
MOX-MXHQV-4532-4R7□	4.7	20/10	30	1.00	0.40	38	500
MOX-MXHQV-4532-5R6□	5.6	20/10	30	1.00	0.47	33	500
MOX-MXHQV-4532-6R8□	6.8	20/10	30	1.00	0.50	31	450
MOX-MXHQV-4532-8R2□	8.2	20/10	30	1.00	0.56	27	450
MOX-MXHQV-4532-100□	10.0	10/5	35	1.00	0.56	23	400
MOX-MXHQV-4532-120□	12.0	10/5	35	1.00	0.62	21	380
MOX-MXHQV-4532-150□	15.0	10/5	35	1.00	0.73	19	360
MOX-MXHQV-4532-180□	18.0	10/5	35	1.00	0.82	17	340
MOX-MXHQV-4532-220□	22.0	10/5	35	1.00	0.94	15	320
MOX-MXHQV-4532-270□	27.0	10/5	35	1.00	1.10	14	300
MOX-MXHQV-4532-330□	33.0	10/5	35	1.00	1.20	12	270
MOX-MXHQV-4532-390□	39.0	10/5	35	1.00	1.40	11	240
MOX-MXHQV-4532-470□	47.0	10/5	35	1.00	1.50	10	220
MOX-MXHQV-4532-560□	56.0	10/5	35	1.00	1.70	9.3	200
MOX-MXHQV-4532-680□	68.0	10/5	35	1.00	1.90	8.4	180
MOX-MXHQV-4532-820□	82.0	10/5	35	1.00	2.20	7.5	170
MOX-MXHQV-4532-101□	100.0	10/5	40	0.796	2.50	6.8	160
MOX-MXHQV-4532-121□	120.0	10/5	40	0.796	3.00	6.2	150
MOX-MXHQV-4532-151□	150.0	10/5	40	0.796	3.70	5.5	130
MOX-MXHQV-4532-181□	180.0	10/5	40	0.796	4.50	5.0	120
MOX-MXHQV-4532-221□	220.0	10/5	40	0.796	5.40	4.5	110
MOX-MXHQV-4532-271□	270.0	10/5	40	0.796	6.80	4.0	100
MOX-MXHQV-4532-331□	330.0	10/5	40	0.796	8.20	3.6	95
MOX-MXHQV-4532-391□	390.0	10/5	40	0.796	9.70	3.3	90
MOX-MXHQV-4532-471□	470.0	10/5	40	0.796	11.80	3.0	80
MOX-MXHQV-4532-561□	560.0	10/5	40	0.796	14.50	2.7	70
MOX-MXHQV-4532-681□	680.0	10/5	40	0.796	17.50	2.5	65
MOX-MXHQV-4532-821□	820.0	10/5	40	0.796	20.50	2.2	60
MOX-MXHQV-4532-102□	1000.0	10/5	40	0.252	25.00	2.0	50
MOX-MXHQV-4532-122□	1200.0	10/5	40	0.252	30.00	1.8	45
MOX-MXHQV-4532-152□	1500.0	10/5	40	0.252	37.00	1.6	40
MOX-MXHQV-4532-182□	1800.0	10/5	40	0.252	45.00	1.5	35
MOX-MXHQV-4532-222□	2200.0	10/5	40	0.252	50.00	1.3	30