

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS FALGA0512 SERIES



FEATURES:

- Ferrite Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability - Ideal for automatic insertion
- Small size - Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% is standard tighter tolerances available.

COMMON APPLICATIONS:

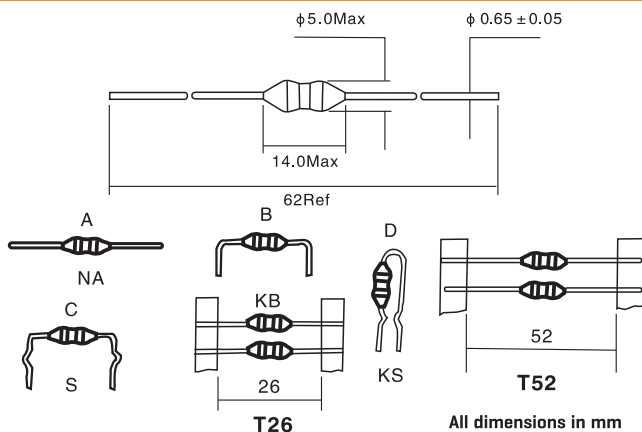
- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω)Max	IDC (mA)Max	Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω)Max	IDC (mA)Max
FALGA0512-1R0M	1.0	7.96	10	7.96	300	0.022	3800	FALGA0512-181K	180	0.796	15	0.796	4.0	1.10	400
FALGA0512-1R2M	1.2	7.96	10	7.96	260	0.024	3700	FALGA0512-221K	220	0.796	15	0.796	3.8	1.25	390
FALGA0512-1R5M	1.5	7.96	10	7.96	250	0.026	3600	FALGA0512-271K	270	0.796	15	0.796	3.5	1.85	330
FALGA0512-1R8M	1.8	7.96	10	7.96	240	0.029	3100	FALGA0512-331K	330	0.796	15	0.796	3.0	2.10	310
FALGA0512-2R2M	2.2	7.96	10	7.96	220	0.031	2900	FALGA0512-391K	390	0.796	15	0.796	2.8	2.28	300
FALGA0512-2R7M	2.7	7.96	10	7.96	195	0.034	2700	FALGA0512-471K	470	0.796	15	0.796	2.5	3.22	280
FALGA0512-3R3K	3.3	7.96	10	7.96	155	0.038	2600	FALGA0512-561K	560	0.796	15	0.796	2.2	3.85	270
FALGA0512-3R9K	3.9	7.96	10	7.96	115	0.040	2500	FALGA0512-681K	680	0.796	15	0.796	2.1	4.00	240
FALGA0512-4R7K	4.7	7.96	10	7.96	85	0.044	2400	FALGA0512-821K	820	0.796	15	0.796	2.0	5.00	230
FALGA0512-5R6K	5.6	7.96	10	7.96	55	0.048	2100	FALGA0512-102K	1000	0.796	15	0.796	1.8	5.80	190
FALGA0512-6R8K	6.8	7.96	10	7.96	50	0.051	2000	FALGA0512-122K	1200	0.796	15	0.796	1.6	7.10	180
FALGA0512-8R2K	8.2	7.96	10	7.96	38	0.056	1950	FALGA0512-152K	1500	0.796	15	0.796	1.5	7.8	170
FALGA0512-100K	10	7.96	10	7.96	24	0.062	1900	FALGA0512-182K	1800	0.796	15	0.796	1.3	11.0	150
FALGA0512-120K	12	2.52	10	2.52	18	0.076	1800	FALGA0512-222K	2200	0.796	35	0.796	1.2	14.0	120
FALGA0512-150K	15	2.52	10	2.52	16	0.088	1700	FALGA0512-272K	2700	0.796	35	0.796	1.1	18.0	100
FALGA0512-180K	18	2.52	10	2.52	15	0.11	1600	FALGA0512-332K	3300	0.796	35	0.796	1.0	22.0	80
FALGA0512-220K	22	2.52	10	2.52	14	0.13	1550	FALGA0512-392K	3900	0.252	40	0.252	0.9	26.0	60
FALGA0512-270K	27	2.52	10	2.52	13	0.14	1300	FALGA0512-472K	4700	0.252	50	0.252	0.7	32.0	50
FALGA0512-330K	33	2.52	10	2.52	11	0.20	1200	FALGA0512-562K	5600	0.252	70	0.252	0.6	34.0	40
FALGA0512-390K	39	2.52	10	2.52	10	0.22	1000	FALGA0512-682K	6800	0.252	70	0.252	0.5	45.0	34
FALGA0512-430K	43	2.52	10	2.52	9.5	0.28	950	FALGA0512-822K	8200	0.252	50	0.252	0.4	60.0	30
FALGA0512-470K	47	2.52	10	2.52	9.5	0.28	950	FALGA0512-103K	10000	0.0796	40	0.0796	0.4	70.0	28
FALGA0512-560K	56	2.52	10	2.52	8.0	0.30	900	FALGA0512-123K	12000	0.0796	40	0.0796	0.3	82.0	24
FALGA0512-680K	68	2.52	10	2.52	7.5	0.34	800	FALGA0512-153K	15000	0.0796	40	0.0796	0.3	89.0	22
FALGA0512-820K	82	2.52	10	2.52	7.0	0.385	750	FALGA0512-183K	18000	0.0796	40	0.0796	0.3	141.0	15
FALGA0512-101K	100	2.52	10	2.52	6.5	0.48	700	FALGA0512-223K	22000	0.0796	40	0.0796	0.2	170.0	12
FALGA0512-121K	120	0.796	15	0.796	5.0	0.595	600	FALGA0512-333K	33000	0.0796	40	0.0796	0.2	250.0	8
FALGA0512-151K	150	0.796	15	0.796	4.5	0.90	500								

Note: L, K = ±10%, M = ±20%

PHYSICAL CHARACTERISTICS



ELECTRONICAL SCHEMATIC

DIMENSIONS in mm



TECHNICAL INFORMATION

- Inductance Testing: HP4284A, HP4285A or equivalent
 - RDC: QuadTech 1880 Milliohmmer
 - Q - HP4342A
 - SRF - HP4191A or HP4194A
 - Rated Current: L value drop 10% typ. at DC against its initial value
 - Temperature rise 40 °C Max Reference ambient temperature
 - Solderability: 75% of the lead wire shall be covered
 - Soldering Methods: Wave, Reflow
 - Operating Temperature: -25°C to +85°C
 - Storage Temperature: -40°C to +85°C
 - Terminal bending strength: 24.5N Min
 - Moisture resistance: ΔL/L ≤ ±10% ΔQ/Q ≤ ±25%
- Note: All specifications subject to change without notice.