

THROUGH-HOLE RADIAL SHIELDED POWER INDUCTOR

YCLGS 0606-0708 SERIES



FEATURES:

- Magnetically Shielded Construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging: Tape & Reel is standard (Qty: 2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

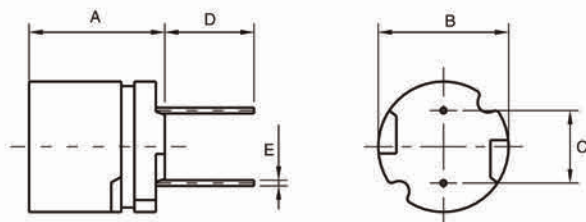
- VCRs, AC/DC, DC/DC Converter
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Power Supplier
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq Mhz	DCR Ω Max	IDC Max mA	Part Number	L μH	Test Freq Mhz	DCR Ω Max	IDC Max mA
YCLGS0606-220M	22	2.52	0.13	960	YCLGS0708-220M	22	2.52	0.08	1600
YCLGS0606-270M	27	2.52	0.18	870	YCLGS0708-270M	27	2.52	0.10	1400
YCLGS0606-330M	33	2.52	0.21	780	YCLGS0708-330M	33	2.52	0.14	1300
YCLGS0606-390M	39	2.52	0.26	720	YCLGS0708-390M	39	2.52	0.15	1200
YCLGS0606-470M	47	2.52	0.29	660	YCLGS0708-470M	47	2.52	0.17	1100
YCLGS0606-560K	56	2.52	0.33	600	YCLGS0708-560K	56	2.52	0.19	990
YCLGS0606-680K	68	2.52	0.36	550	YCLGS0708-680K	68	2.52	0.21	890
YCLGS0606-820K	82	2.52	0.39	500	YCLGS0708-820K	82	2.52	0.27	810
YCLGS0606-101K	100	0.001	0.54	450	YCLGS0708-101K	100	0.001	0.32	740
YCLGS0606-121K	120	0.001	0.62	410	YCLGS0708-121K	120	0.001	0.36	670
YCLGS0606-151K	150	0.001	0.72	370	YCLGS0708-151K	150	0.001	0.51	600
YCLGS0606-181K	180	0.001	0.88	340	YCLGS0708-181K	180	0.001	0.57	550
YCLGS0606-221K	220	0.001	0.99	300	YCLGS0708-221K	220	0.001	0.76	500
YCLGS0606-271K	270	0.001	1.52	270	YCLGS0708-271K	270	0.001	0.86	450
YCLGS0606-331K	330	0.001	1.69	250	YCLGS0708-331K	330	0.001	0.97	410
YCLGS0606-391K	390	0.001	1.85	230	YCLGS0708-391K	390	0.001	1.28	370
YCLGS0606-471K	470	0.001	2.85	210	YCLGS0708-471K	470	0.001	1.44	340
YCLGS0606-561K	560	0.001	3.21	190	YCLGS0708-561K	560	0.001	1.61	310
YCLGS0606-681K	680	0.001	3.60	170	YCLGS0708-681K	680	0.001	2.07	280
YCLGS0606-821K	820	0.001	4.87	160	YCLGS0708-821K	820	0.001	2.33	260
YCLGS0606-102K	1000	0.001	5.65	140	YCLGS0708-102K	1000	0.001	2.72	230
					YCLGS0708-122K	1200	0.001	3.98	210
					YCLGS0708-152K	1500	0.001	4.50	190
					YCLGS0708-182K	1800	0.001	6.81	170
					YCLGS0708-222K	2200	0.001	7.56	160
					YCLGS0708-272K	2700	0.001	8.54	140
					YCLGS0708-332K	3300	0.001	9.74	130
					YCLGS0708-392K	3900	0.001	12.9	120
					YCLGS0708-472K	4700	0.001	14.7	110
					YCLGS0708-562K	5600	0.001	20.4	99
					YCLGS0708-682K	6800	0.001	23.0	89
					YCLGS0708-822K	8200	0.001	30.6	81
					YCLGS0708-102K	10000	0.001	35.0	74

Note: 1. K = ± 10%, M = ± 20%, N = ± 30%

PHYSICAL CHARACTERISTICS:



DIMENSIONS IN: mm

Part number	A	B	C	D	E
YCLGS0606	6.5Max	6.0 ± 0.5	4.0 ± 0.5	4.0Min	0.55
YCLGS0708	7.5Max	7.8 ± 0.5	5.0 ± 0.5	4.0Min	0.65

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance: HP4342A HP4284A
- RDC: QuadTech 1880 Milliohm meter
- Q: HP4342A - SRF-HP4191A
- DC current is decreased 10% against its initial value
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Note: All specifications subject to change without notice.