

DIP SHIELDED POWER INDUCTORS

LGS1619 SERIES

FEATURES:

- Excellent solderability and heat resistance
- Magnetically shielded type inductor, possible to decrease reflection noise
- Available for high density mount due to compact size
- Accomplished low total harmonics distortion as compared

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater



ELECTRICAL CHARACTERISTICS:

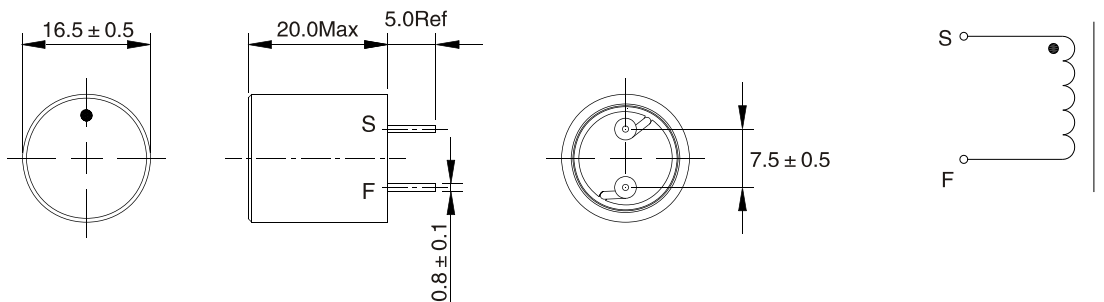
Part Number	L uH $\pm 25\%$	DCR m Ω Max	Rated current A Max	Allowable current A Max
LGS1619-100Y	10	8.5	10	12
LGS1619-120Y	12	10	9	11
LGS1619-150Y	15	12	8	10.5
LGS1619-220Y	22	16	6.5	8.5
LGS1619-330Y	33	22	5	8
LGS1619-470Y	47	30	3.5	7

Note: 1. K= $\pm 10\%$, M= $\pm 20\%$, N= $\pm 30\%$

PHYSICAL CHARACTERISTICS:

WINDING:

Dimension: mm



TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance: HP4342A, HP4284A
RDC: QuadTech 1880 Milliohm meter
Q- HP4342A - SRF- HP4191A
 - Operating temperature: -40°C to $+105^{\circ}\text{C}$
 - Storage Temperature: -40°C to $+105^{\circ}\text{C}$
 - 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.