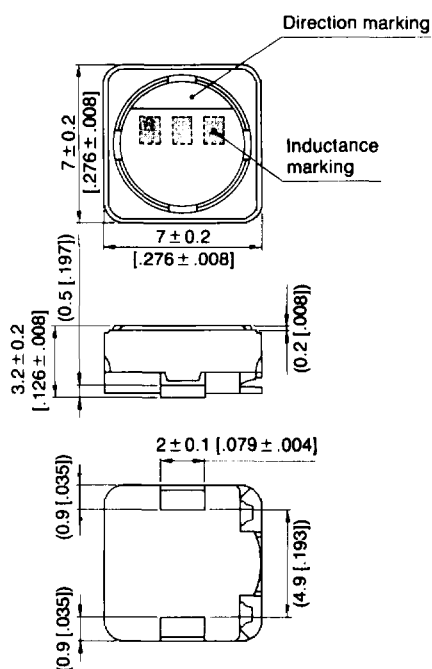


Inductors

SURFACE MOUNT TYPE FOR LARGE CURRENT, SLF SERIES CHARACTERISTICS

Operating temperature range	SLF7032: -25 to +85°C [-13 to +185°F]
	SLF7745: -20 to +85°C [-4 to +185°F] (including self-temperature rise, 20°C [45°F] max.)
Storage temperature range	-40 to +85°C [-40 to +185°F]
Rated current	Based on inductance change rate (10% drop in initial value) and on temperature rise

SLF7032 TYPE



Weight: 0.5g
Dimensions in mm [inches]

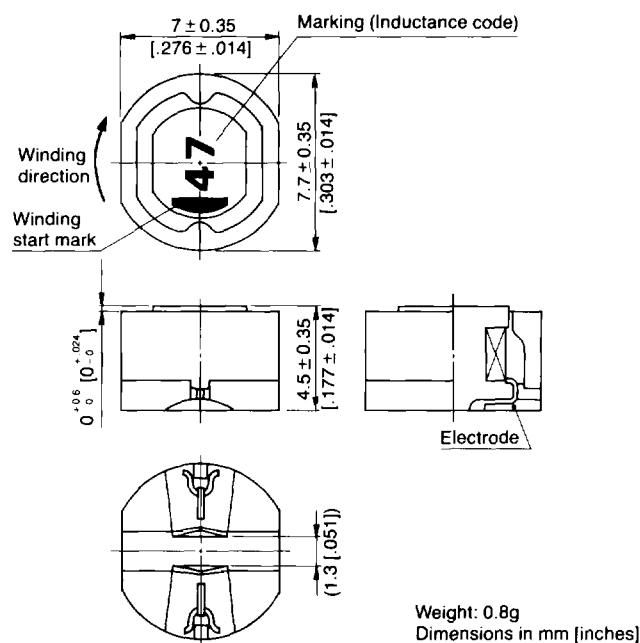
ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	DC resistance (Ω)	Rated current (A) max.
SLF7032T-3R3M1R9	$3.3 \pm 20\%$	$0.035 \pm 20\%$	1.9
SLF7032T-4R7M1R7	$4.7 \pm 20\%$	$0.041 \pm 20\%$	1.7
SLF7032T-6R8M1R6	$6.8 \pm 20\%$	$0.047 \pm 20\%$	1.6
SLF7032T-100M1R4	$10 \pm 20\%$	$0.066 \pm 20\%$	1.4
SLF7032T-150M1R1	$15 \pm 20\%$	$0.091 \pm 20\%$	1.1
SLF7032T-220MR96	$22 \pm 20\%$	$0.13 \pm 20\%$	0.96
SLF7032T-330MR75	$33 \pm 20\%$	$0.19 \pm 20\%$	0.75
SLF7032T-470MR67	$47 \pm 20\%$	$0.27 \pm 20\%$	0.67
SLF7032T-680MR59	$68 \pm 20\%$	$0.36 \pm 20\%$	0.59
SLF7032T-101MR48	$100 \pm 20\%$	$0.54 \pm 20\%$	0.48
SLF7032T-151MR40	$150 \pm 20\%$	$0.77 \pm 20\%$	0.4
SLF7032T-221MR31	$220 \pm 20\%$	$1.3 \pm 20\%$	0.31
SLF7032T-331MR24	$330 \pm 20\%$	$2.1 \pm 20\%$	0.24
SLF7032T-471MR22	$470 \pm 20\%$	$2.6 \pm 20\%$	0.22
SLF7032T-681MR18	$680 \pm 20\%$	$3.8 \pm 20\%$	0.18
SLF7032T-102MR15	$1000 \pm 20\%$	$5.8 \pm 20\%$	0.15

• Test equipment
L: YHP4194A IMPEDANCE GAIN/PHASE ANALYZER ($F = 1\text{kHz}$, $OSC = 0.5V$), or equivalent
Rdc: MATSUSHITA VP-2941A DIGITAL MILLIOHM METER, or equivalent

Inductors

SLF7745 TYPE



ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Inductance (μH) at maximum rated current	Test frequency (kHz)	DC resistance (Ω) max.	Rated current (A) max.
SLF7745T-3R3Y2R2	3.3 ^{+30%} _{-20%}	3.3 ± 30%	1	0.032	2.2
SLF7745T-4R7Y2R1	4.7 ^{+30%} _{-20%}	4.7 ± 30%	1	0.037	2.1
SLF7745T-6R8Y1R9	6.8 ^{+30%} _{-20%}	6.8 ± 30%	1	0.042	1.9
SLF7745T-100Y1R5	10 ^{+25%} _{-15%}	10 ± 25%	1	0.075	1.5
SLF7745T-150Y1R3	15 ^{+25%} _{-15%}	15 ± 25%	1	0.084	1.3
SLF7745T-220Y1R0	22 ^{+25%} _{-15%}	22 ± 25%	1	0.13	1
SLF7745T-330YR90	33 ^{+25%} _{-15%}	33 ± 25%	1	0.19	0.9
SLF7745T-470YR80	47 ^{+25%} _{-15%}	47 ± 25%	1	0.24	0.8
SLF7745T-680YR64	68 ^{+25%} _{-15%}	68 ± 25%	1	0.37	0.64
SLF7745T-101YR51	100 ^{+25%} _{-15%}	100 ± 25%	1	0.57	0.51
SLF7745T-151YR44	150 ^{+25%} _{-15%}	150 ± 25%	1	0.77	0.44
SLF7745T-221YR35	220 ^{+25%} _{-15%}	220 ± 25%	1	1.3	0.35
SLF7745T-331YR30	330 ^{+25%} _{-15%}	330 ± 25%	1	1.7	0.3

• Test equipment

L: YHP4194A IMPEDANCE GAIN/PHASE ANALYZER (F = 1kHz, OSC = 0.5V), or equivalent

Rdc: MATSUSHITA VP-2941A MILLIOHM METER, or equivalent