

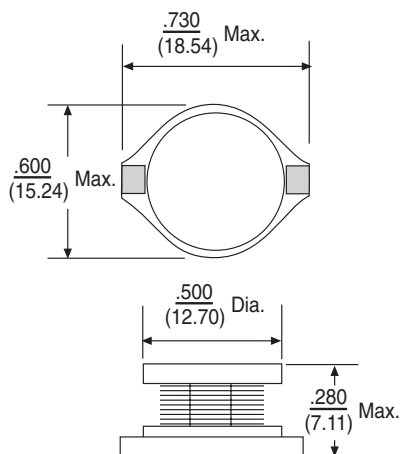


RL-5022

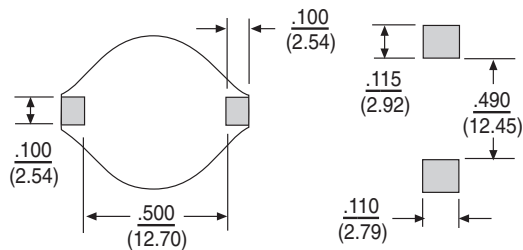
SMD POWER INDUCTORS



The RL-5022 Series offers surface mount power inductors in a small .600" x .730" package and exceptionally low DC resistance. Designed with a flat top for reliable pick and place operations. Available in 17 values with inductance ratings from 1.0 μ H to 1.0mH and currents up to 8.6 Amps.



LAND PATTERN



TAPE AND REEL PACKAGING
 Pieces per Reel 250
 Plastic Reel Size 13"

ALL DIMENSIONS IN INCHES (mm)

PART NUMBER	Inductance ¹ (μ H $\pm$ 20%)	SRF Typ. (MHz)	DCR max. (Ohms)	DC SAT ² (Amps)	Rated Current ³ (Amps)
RL-5022-1.0	1.0	80	.009	20	8.6
RL-5022-2.2	2.2	80	.014	16	7.1
RL-5022-3.3	3.3	60	.015	14	6.2
RL-5022-5.6	5.6	40	.020	12	5.3
RL-5022-10	10	30	.031	10	4.3
RL-5022-15	15	22	.036	8.0	4.0
RL-5022-22	22	20	.047	7.0	3.5
RL-5022-33	33	15	.066	5.5	3.0
RL-5022-47	47	9	.086	4.5	2.6
RL-5022-68	68	8	.13	3.5	2.3
RL-5022-100	100	7	.19	3.0	1.8
RL-5022-150	150	6	.27	2.6	1.5
RL-5022-220	220	5	.42	2.4	1.2
RL-5022-330	330	4	.56	1.9	1.0
RL-5022-470	470	3	.85	1.4	0.82
RL-5022-680	680	2.5	1.1	1.2	0.72
RL-5022-1000	1000	2	1.8	1.0	0.56

1. Inductance tested at 100 kHz, 0.1 Vrms.
2. Inductance drop = 10% typ.
3. $\Delta T = 40^{\circ}\text{C}$ typ.

Operating temperature range -40°C to $+85^{\circ}\text{C}$.
 Storage temperature range -40°C to $+105^{\circ}\text{C}$.
 Resistance to solder heat 260°C , 10 secs.



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