



LS Series Inductance Decade Box Basic Specifications

(See Datasheet for Full Specifications)

Model	LS-400	LS-400A	LS-400L
Type of Substituter	Wide Range Inductance	Inductance	Low Inductance
Accuracy	$\pm(1\%+0.5 \mu\text{H})$		
Decades	4	3	6
Range	0 - 9.999 H	0 - 999 mH	0 - 999.999 mH
Resolution	1 mH	1 mH	1 μH
Type of Components	Toroidal Inductors		
Test Conditions	1 kHz; 0.1 Vrms; series model; 23°C.		
Residual	$\leq 0.23 \Omega$; $\leq 1 \mu\text{H}$	$\leq 0.17 \Omega$; $\leq 1 \mu\text{H}$	$\approx 0.34 \Omega$; $\approx 1.5 \mu\text{H}$
Physical	12 x 7.9 x 5.6 cm, 23g (4.7 x 3.1 x 2.2 in, 8 oz) LS-400L: 18.8 x 8.4 x 6.4 cm, 23g (7.4 x 3.3 x 2.5 in, 14 oz)		

Additional Frequency Information

Inductance	Frequency Range	Max. Q	Rating
0.1 - 0.9 mH	300 Hz - 2MHz	100 @ 800 kHz	700 mA
1 - 9 mH	300 Hz - 1MHz	80 @ 40 kHz	500 mA
10 - 90 mH	300 Hz - 800 kHz	80 @ 40 kHz	300 mA
0.1 - 0.9 H	300 Hz - 200 kHz	40 @ 20 kHz	100 mA
1 - 9 H	200 Hz - 20 kHz	30 @ 8 kHz	20 mA
10 - 90 H	200 Hz - 6 kHz	60 @ 2 kHz	4 mA
DC Resistance	Approx 350 Ω per henry		