



Dimensions in mm

Notes for SSL1612 shielded power inductor:

 Inductance Tolerance:  $\pm 20\%$  over

the entire inductance range.

Flammability rating: UL 94 V-0.

 Operating Temperature Range:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ .

Packaging: Tape and Reel only.

Test instruments: HP4294 Impedance / Material Analyzer.

Inductance tested at 0.1 Vrms, 100 KHz.

Isat: Inductance drop = 10% typical.

 $\Delta T = 30^{\circ}\text{C}$  rise typical at Irms.

Magnetically shielded construction.

Manufactured to RoHS compliance.

Part Number	Inductance [ $\mu\text{H}$ , $\pm 20\%$ ]	Q Min	Q Frequency [KHz]	DC Resistance Max [ $\delta$ ]	Irms [A]	SRF Typical [MHz]
SSL1612-1R0M	1.0	30	200	0.040	3.0	200
SSL1612-1R5M	1.5	30	200	0.045	2.8	100
SSL1612-2R2M	2.2	40	200	0.050	1.8	90
SSL1612-3R3M	3.3	40	200	0.060	1.6	90
SSL1612-4R7M	4.7	40	200	0.065	1.4	80
SSL1612-6R8M	6.8	40	200	0.070	1.2	40
SSL1612-100M	10	40	200	0.075	1.0	30
SSL1612-150M	15	40	100	0.090	0.80	25
SSL1612-220M	22	40	100	0.110	0.70	20
SSL1612-330M	33	40	100	0.190	0.60	15
SSL1612-470M	47	40	100	0.23	0.50	15
SSL1612-680M	68	40	100	0.29	0.40	10
SSL1612-101M	100	40	100	0.48	0.30	8
SSL1612-151M	150	40	100	0.59	0.26	7
SSL1612-221M	220	40	100	0.77	0.22	4
SSL1612-331M	330	40	100	1.4	0.20	4
SSL1612-471M	470	40	100	1.8	0.19	3
SSL1612-681M	680	40	100	2.2	0.18	2
SSL1612-102M	1000	40	100	3.4	0.15	1
SSL1612-152M	1500	50	100	4.2	0.12	1
SSL1612-222M	2200	50	100	8.5	0.10	1
SSL1612-332M	3300	50	100	11	0.08	0.5
SSL1612-472M	4700	50	100	13.9	0.06	0.5
SSL1612-682M	6800	50	100	25	0.04	0.5
SSL1612-103M	10,000	50	100	32.8	0.02	0.4