

1200LRS Series

Through Hole Radial Lead Shielded Inductors



FEATURES

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Radial format

Integral EMI shield

Compact size

■ Up to 4.7A loc

■ 6.8µH to 22mH

Low DC resistance

■ UL 94V-0 materials

Backward compatible with Sn/Pb soldering systems

DESCRIPTION

The 1200LRS Series of inductors is suitable for power line filtering in low to medium current applications such as switching power supply circuits. The integral ferrite shield makes these devices ideal for protecting circuits susceptible to EMI.

For higher current versions with the same footprint see our 1200RS Series.

SELECTION GUIDE					
Order Code	Inductance (0.1V@10kHz)	DC Current ¹	DC Resistance		
	±15%	Max.	Max.		
	μН	А	mΩ		
12LRS682C	6.8 ±20%	4.7	20		
12LRS103C	10 ±20%	3.4	50		
12LRS153C	15 ±20%	3.0	70		
12LRS223C	22 ±20%	2.6	90		
12LRS333C	33 ±20%	2.1	110		
12LRS473C	47 ±20%	1.7	140		
12LRS683C	68	1.6	160		
12LRS104C	100	1.4	200		
12LRS154C	150	1.0	350		
12LRS224C	220	0.78	540		
12LRS334C	330	0.63	860		
12LRS474C	470	0.53	1230		
12LRS684C	680	0.50	1650		
12LRS105C	1000	0.40	2300		
12LRS155C	1500	0.31	3400		
12LRS225C	2200	0.28	4600		
12LRS335C	3300	0.20	8700		
12LRS475C	4700	0.18	10500		
12LRS685C	6800	0.15	15000		
12LRS106C	10000	0.12	24000		
12LRS156C	15000	0.095	37000		
12LRS226C	22000	0.073	70000		

ABSOLUTE MAXIMUM RATINGS				
Operating free air temperature range	-40°C to +85°C			
Storage temperature range	-40°C to 125°C			

SOLDERING INFORMATION ²				
Peak wave solder temperature	260°C for 10 seconds			
Pin finish	Matte tin			

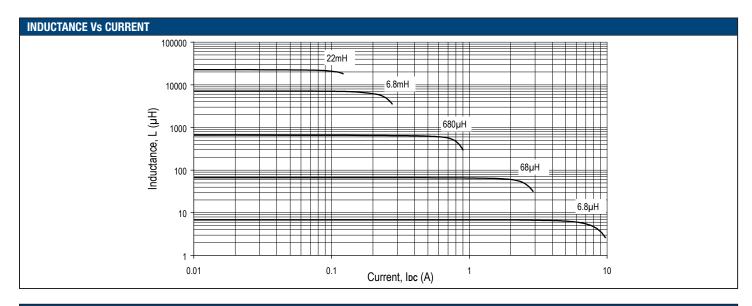
All specifications typical at T₄=25°C

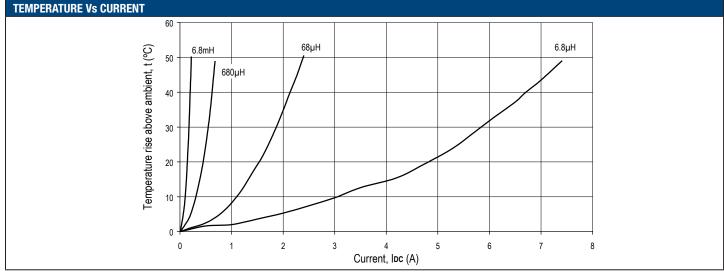
- 1 Maximum DC current occurs when either the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.
- 2 For further information, please visit www.murata-ps.com/rohs

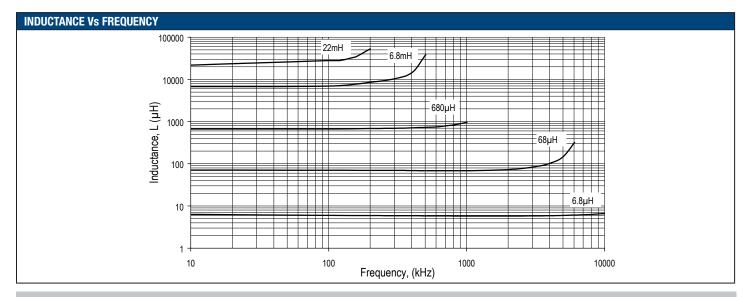




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