



FEATURES
RoHS compliant
Radial format
Up to 1.62A loc
■ 10µH to 68mH
Low DC resistance
Miniature size
PCB mounting
MIL-I-23053/5 class I sleeving
Fully tinned leads
Supplied in bags of 100
Compatible with RoHS soldering systems
Backward compatible with Sn/Pb soldering systems
Custom parts available

#### DESCRIPTION

The 2200R Series is a general purpose range of inductors suitable for low to medium current applications. Their small footprint makes them ideal for high density applications where a chip inductor will not cope with the power requirement.

Order Code	Inductance, (1kHz, 0.1Vac)	DC Current <sup>1</sup>	DC Resistance	Q at f kHz		SRF
	±10%	Max.	Max.	Nom.		Nom.
	μH	А	Ω	Q	f	MHz
22R103C	10.0	1.62	0.05	65	1000	21.2
22R153C	15.0	1.35	0.07	60	500	19.4
22R223C	22.0	1.08	0.09	50	500	17.0
22R333C	33.0	0.90	0.14	50	500	11.4
22R473C	47.0	0.77	0.22	50	500	10.9
22R683C	68.0	0.77	0.28	90	100	8.7
22R104C	100.0	0.67	0.39	90	100	7.0
22R154C	150.0	0.52	0.54	90	100	5.7
22R224C	220.0	0.43	0.83	100	100	4.4
22R334C	330.0	0.38	1.21	100	100	3.7
22R474C	470.0	0.31	1.65	110	100	3.2
22R684C	680.0	0.25	2.64	120	100	2.5
22R105C	1.0mH	0.17	3.63	120	100	2.1
22R155C	1.5mH	0.13	6.49	130	100	1.9
22R225C	2.2mH	0.11	8.58	90	50	1.7
22R335C	3.3mH	0.10	11.0	140	150	1.2
22R475C	4.7mH	0.081	15.0	150	150	0.95
22R685C	6.8mH	0.072	22.0	145	150	0.85
22R106C	10.0mH	0.063	37.4	155	150	0.62
22R156C	15.0mH	0.054	51.7	140	150	0.51
22R226C	22.0mH	0.045	82.5	100	50	0.34
22R336C	33.0mH	0.036	118.8	95	50	0.28
22R476C	47.0mH	0.027	169.4	90	50	0.25
22R686C	68.0mH	0.018	242.0	70	50	0.20

TYPICAL CORE/WIRE CHARACTERISTICS					
Inductance Temperature	Resistance Temperature	Curie Temperature	Saturation Flux		
Coefficient	Coefficient	(T <sub>c</sub> )	(B <sub>SAT</sub> )		

350ppm	3900ppm	190°C	325mT		
ABSOLUTE MAXIMUM RATINGS					
Operating free air temperature range			-25°C to 70°C		
Storage temperature range			-40°C to 125°C		

SOLDERING INFORMATION <sup>2</sup>	
Peak wave solder temperature	300°C for 10 seconds
Pin finish	Hot dipped tin



All specifications typical at  $\rm T_{A}{=}25^{\circ}\rm C$ 

- 1 Maximum DC current occurs when either the inductance falls to 90% of its nominal value or when its temperature rise reaches 30°C,
- whichever is sooner. 2 For further information, please visit www.murata-ps.com/rohs

# **Radial Lead Inductors**

# **2200R Series**

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### muRata Ps Murata Power Solutions

## **2200R Series**

**Radial Lead Inductors** 



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## **2200R Series**

**Radial Lead Inductors** 

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