

SMD Shielded Power Inductors

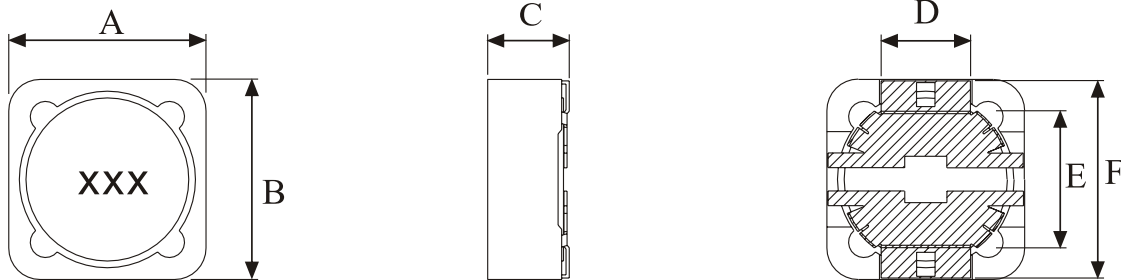
AXCDRH129 Series **LEAD -FREE** RoHS Compliant

Features :

- Description: SMD (shielded) power inductor
- Applications: Power supply for VTR, OA equipment, Digital camera, LCD television set, notebook PC, DC/DC converters, etc...
- Operating Temperature: -45°C to +125°C
(Including coil's self temperature rise)
- Inductance Tolerance: M=±20%, N=±30%
- Saturation Current: The DC current at which the inductance decreased to 90% of its initial value.
- Temperature rise current: The DC current at which the temperature rise is $\Delta T=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)
- Testing: Inductance is tested on an HP4284A at 1.0kHz
- Packaging: Tape & Reel
- Marking: Parts are marked with inductance code
- Additional info available upon request.



Part Number	Inductance (μH)	@ L Test Freq. (kHz)	DCR Typ. (mOhms)		Saturation Current (A)				Temperature Rise Current (A)	
					at 25°C		at 125°C			
			Typ	Max	Typ	Max	Typ	Max	Typ	Max
AXCDRH129-1R0N	1.0	100	4.4	5.5	19.90	24.90	12.3	15.4	11.6	13.4
AXCDRH129-1R8N	1.8	100	5.2	6.5	13.40	16.80	11.4	14.3	11.0	12.6
AXCDRH129-2R5N	2.5	100	6.4	8.0	12.16	15.20	9.36	11.7	10.3	11.7
AXCDRH129-3R5N	3.5	100	7.7	9.7	12.00	15.00	9.40	11.8	8.70	9.90
AXCDRH129-4R7N	4.7	100	8.9	11.0	10.08	12.60	7.84	9.80	8.40	9.40
AXCDRH129-6R8N	6.8	100	9.9	12.4	8.56	10.70	6.72	8.40	7.10	8.20
AXCDRH129-7R5N	7.5	100	11.0	14.0	8.48	10.60	6.56	8.20	6.80	7.80
AXCDRH129100N	10	100	14.4	18.0	7.12	8.90	4.80	6.00	6.95	7.60
AXCDRH129-120M	12	1.0	15.0	19.0	7.04	8.80	4.72	5.90	6.20	7.10
AXCDRH129-150M	15	1.0	21.0	26.0	5.84	7.30	4.64	5.80	5.22	5.95
AXCDRH129-220M	22	1.0	23.0	29.0	5.12	6.40	3.92	4.90	4.95	5.70
AXCDRH129-330M	33	1.0	42.0	53.0	4.25	5.30	3.36	4.20	3.60	4.10
AXCDRH129-470M	47	1.0	50.0	63.0	3.60	4.50	2.81	3.52	3.45	3.92
AXCDRH129-560M	56	1.0	54.0	68.0	2.85	3.57	2.20	2.75	2.95	3.40
AXCDRH129-680M	68	1.0	74.0	93.0	2.76	3.45	2.24	2.80	2.85	3.25
AXCDRH129-820M	82	1.0	79.0	99.0	2.62	3.28	1.98	2.48	2.60	2.90
AXCDRH129-101M	100	1.0	101	126	2.31	2.89	1.82	2.28	2.45	2.75
AXCDRH129-121M	120	1.0	123	154	2.05	2.57	1.56	1.95	2.20	2.45
AXCDRH129-151M	150	1.0	139	174	1.80	2.25	1.44	1.80	1.90	2.16
AXCDRH129-181M	180	1.0	153	191	1.66	2.08	1.22	1.53	1.86	2.13
AXCDRH129-221M	220	1.0	197	246	1.64	2.05	1.26	1.58	1.72	1.95
AXCDRH129-331M	330	1.0	309	386	1.28	1.60	1.04	1.30	1.28	1.45
AXCDRH129-471M	470	1.0	377	471	1.06	1.33	0.87	1.09	1.25	1.41
AXCDRH129-561M	560	1.0	520	650	1.01	1.27	0.76	0.95	0.98	1.12
AXCDRH129-681M	680	1.0	584	730	0.83	1.04	0.68	0.86	0.96	1.10
AXCDRH129-821M	820	1.0	659	824	0.81	1.02	0.63	0.79	0.94	1.06
AXCDRH129-102M	1000	1.0	970	1220	0.70	0.88	0.56	0.71	0.78	0.88
AXCDRH129-122M	1200	1.0	1110	1330	0.64	0.81	0.52	0.65	0.79	0.90
AXCDRH129-152M	1500	1.0	1660	1990	0.56	0.71	0.44	0.56	0.58	0.66
AXCDRH129-182M	1800	1.0	1820	2180	0.48	0.60	0.38	0.48	0.54	0.62
AXCDRH129-222M	2200	1.0	2150	2580	0.43	0.54	0.37	0.47	0.52	0.59

Dimensions:


Size	A	B	C	D	E	F
mm	12.0 ± 0.5	12.0 ± 0.5	10.0 Max	5.0	7.6	12.0 ± 0.02
inches	0.472 ± 0.02	0.472 ± 0.02	0.394 Max	0.197	0.299	0.472 ± 0.02

Land Pattern:

[mm]

