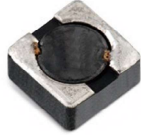


TSDR Series
SMD Shielded Tiny Power Inductor
Size 4828



CHARACTERISTICS

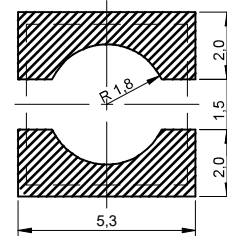
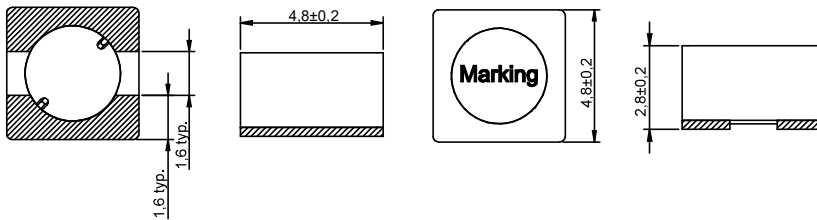
- Low profile type
- Magnetically shielded
- Different sizes available
- Quantity: 500pcs

APPLICATION

- DC/DC converter
- LC filter

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)	Core Material
TSDR4828-R33N	0.33	±30 %	4.0	6.0	8	12	NiZn
TSDR4828-R47N	0.47	±30 %	3.8	5.0	10	16	
TSDR4828-R82N	0.82	±30 %	3.5	3.7	14	18	
TSDR4828-1R2N	1.2	±30 %	3.1	2.8	17	20	
TSDR4828-1R8N	1.8	±30 %	2.7	2.45	20	25	
TSDR4828-2R2N	2.2	±30 %	2.5	2.35	27	28	
TSDR4828-2R7N	2.7	±30 %	2.35	1.95	25	30	
TSDR4828-3R3N	3.3	±30 %	2.15	1.8	30	35	
TSDR4828-3R9N	3.9	±30 %	1.72	1.65	50	60	
TSDR4828-4R7N	4.7	±30 %	1.55	1.7	50	70	
TSDR4828-5R6N	5.6	±30 %	1.38	1.3	70	85	
TSDR4828-6R8N	6.8	±30 %	1.3	1.25	80	90	
TSDR4828-8R2N	8.2	±30 %	1.3	1.25	80	90	
TSDR4828-100N	10	±30 %	1.19	1.0	95	110	
TSDR4828-120N	12	±30 %	1.12	0.95	100	125	
TSDR4828-150N	15	±30 %	1.03	0.75	120	150	
TSDR4828-180N	18	±30 %	0.98	0.7	150	160	
TSDR4828-220N	22	±30 %	0.925	0.7	160	185	
TSDR4828-270N	27	±30 %	0.89	0.6	170	200	

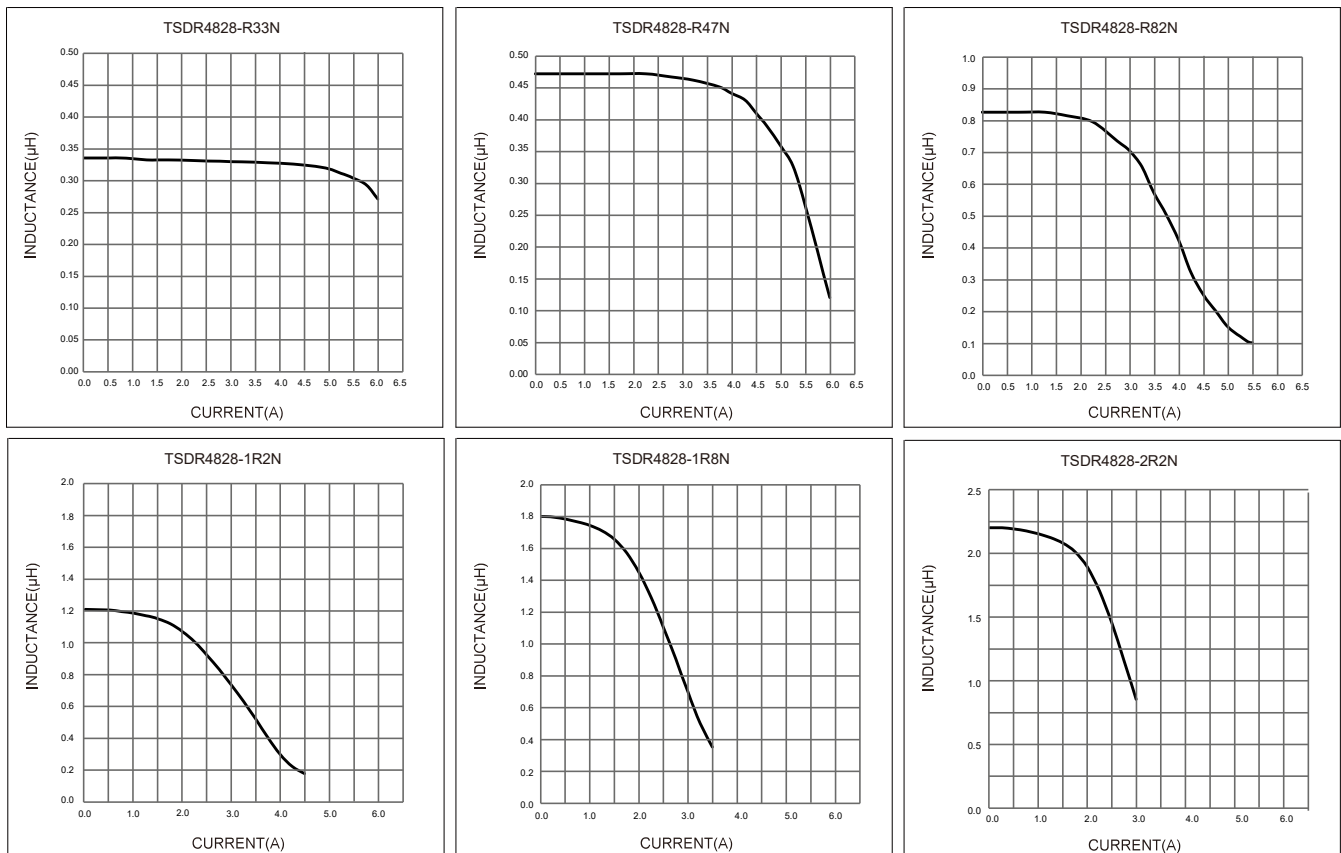
Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)	Core Material
TSDR4828-330N	33	±30 %	0.82	0.55	195	230	NiZn
TSDR4828-390N	39	±30 %	0.795	0.5	215	250	
TSDR4828-470N	47	±30 %	0.75	0.5	250	280	
TSDR4828-680N	68	±30 %	0.63	0.4	340	400	
TSDR4828-101N	100	±30 %	0.51	0.29	550	600	
TSDR4828-151N	150	±30 %	0.42	0.22	770	860	
TSDR4828-221N	220	±30 %	0.34	0.2	1008	1250	
TSDR4828-331N	330	±30 %	0.285	0.17	1630	1700	
TSDR4828-471N	470	±30 %	0.24	0.125	2128	2600	
TSDR4828-561N	560	±30 %	0.22	0.11	2610	3000	
TSDR4828-102N	1000	±30 %	0.14	0.08	5400	7000	
TSDR4828-152N	1500	±30 %	0.09	0.05	6800	9000	

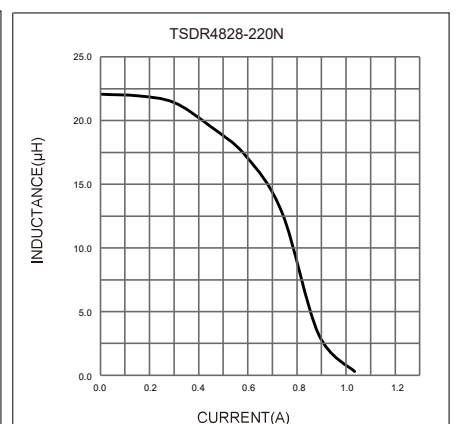
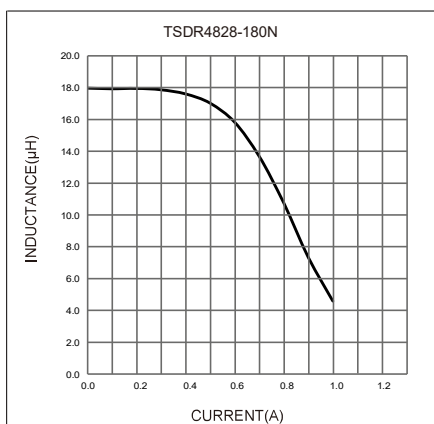
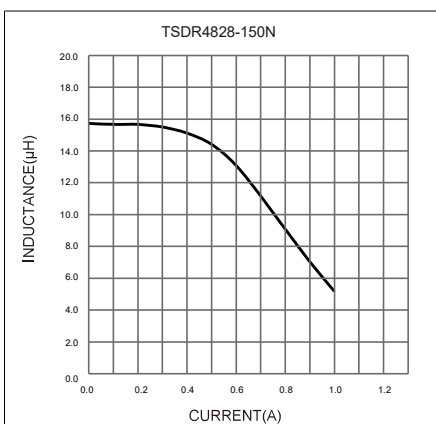
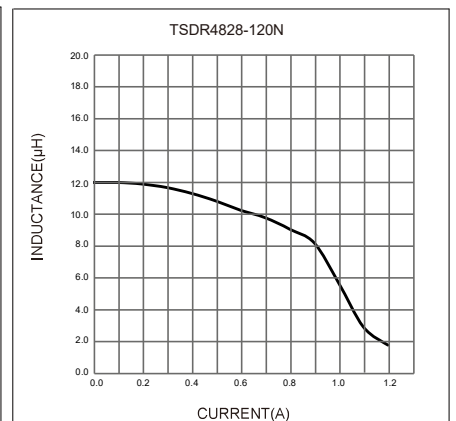
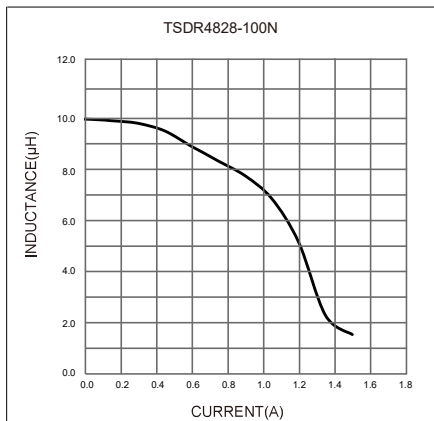
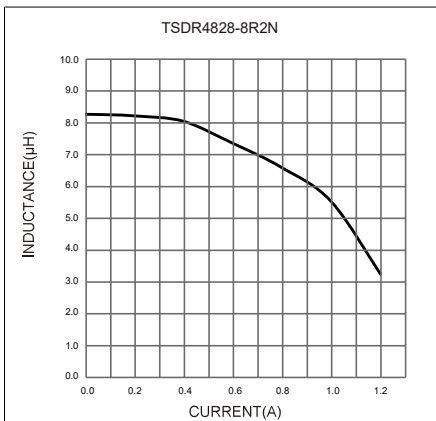
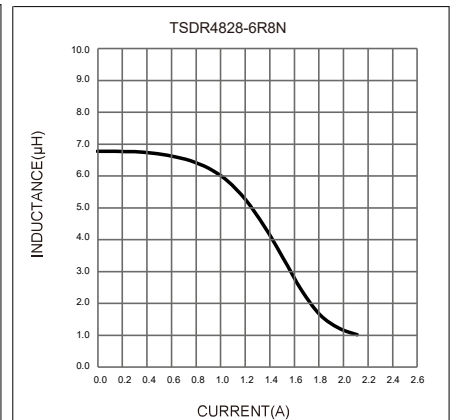
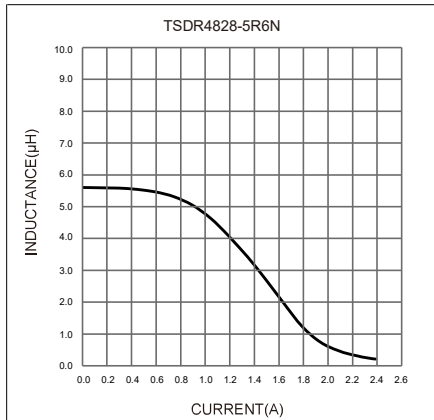
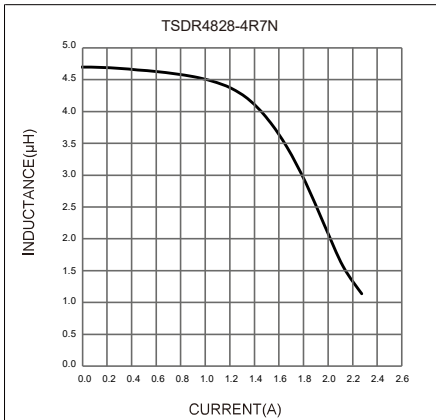
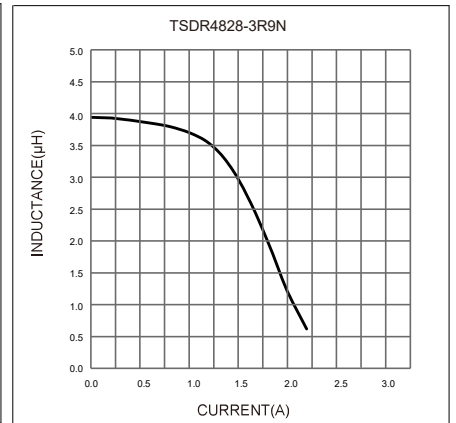
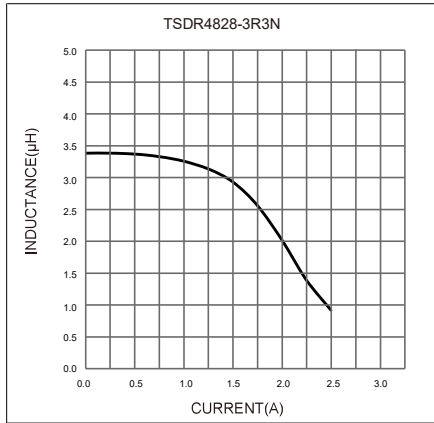
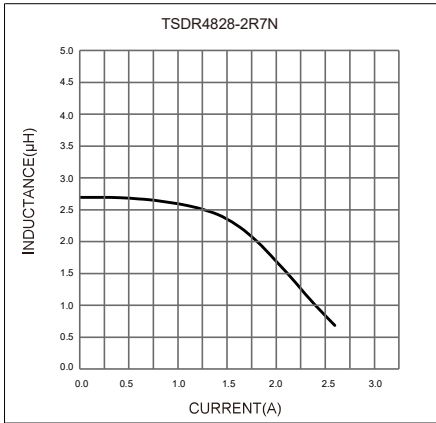
Operating Temperature: -40 °C up to +125 °C

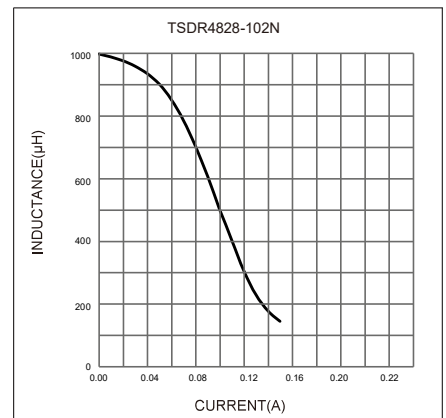
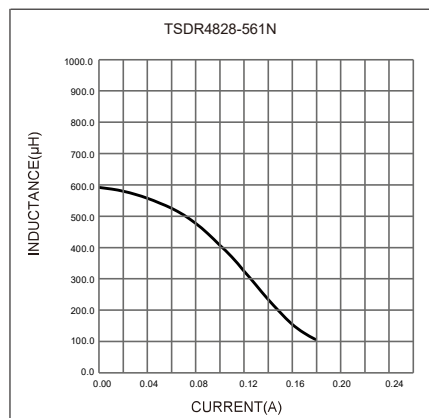
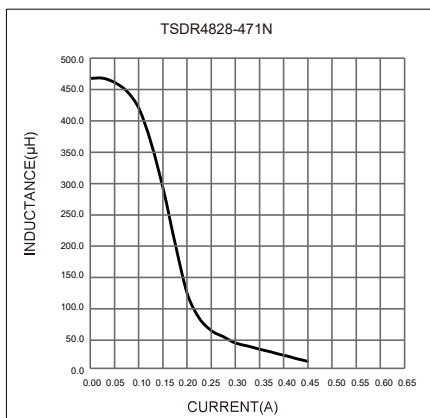
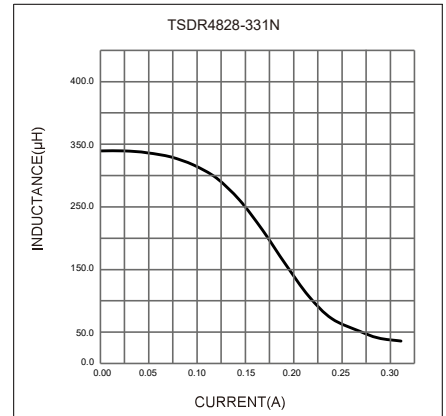
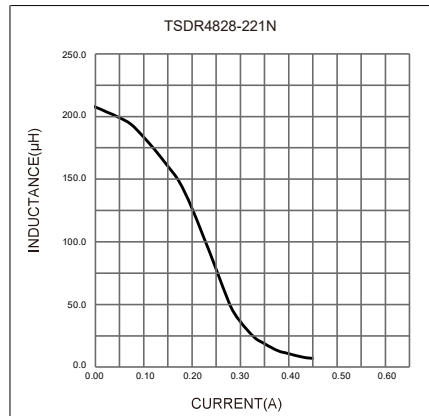
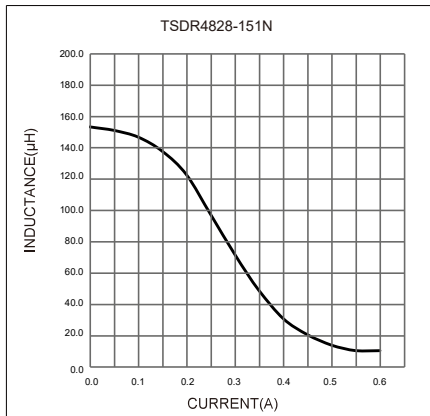
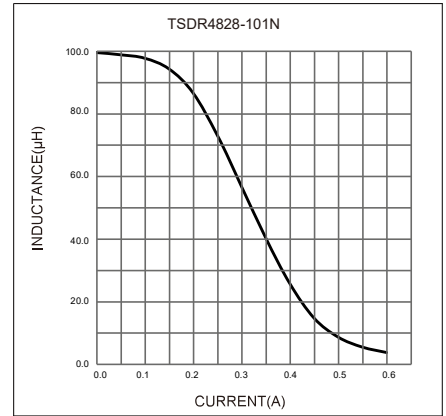
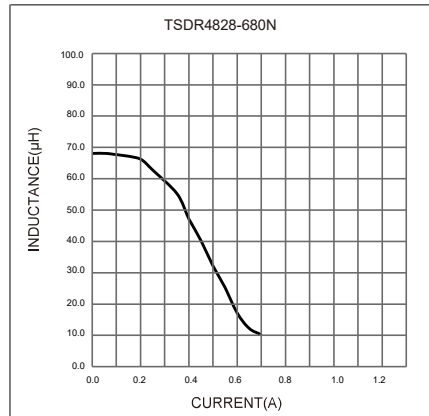
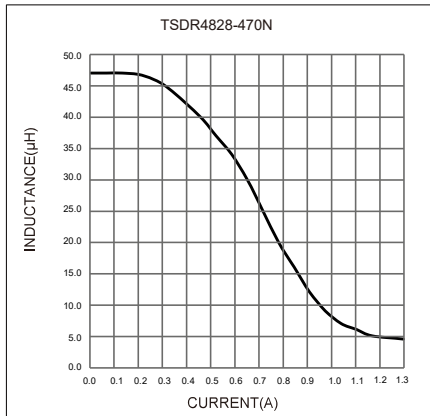
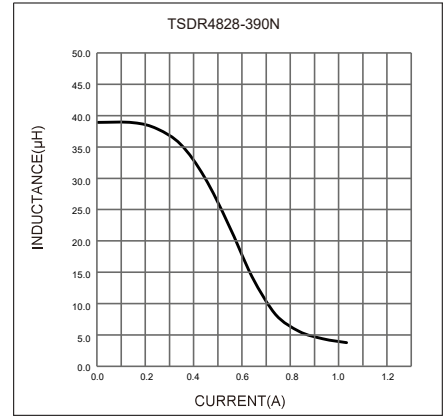
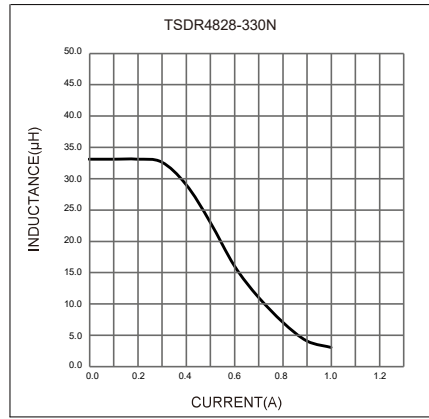
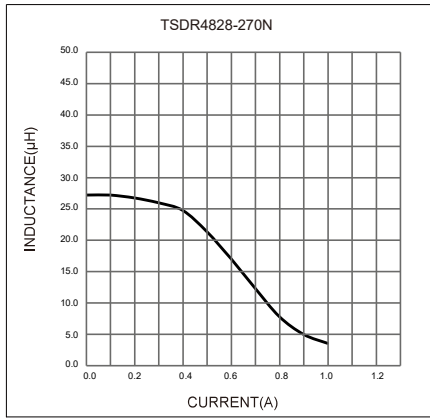
Temperature rise current: The actual value of DC current when the temperature rise is ΔT30 °C

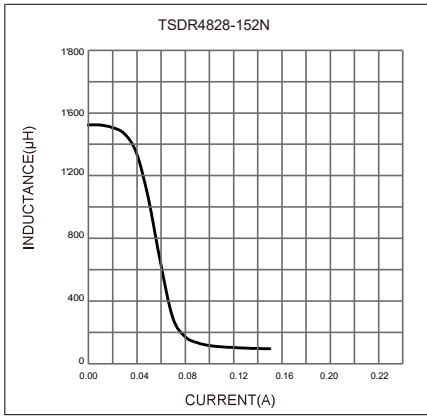
Saturation Current that will cause initial inductance to drop approximately 35%

Typical Electrical Characteristics:









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