

TSDR Series

SMD Shielded Tiny Power Inductor Size 4818



CHARACTERISTICS

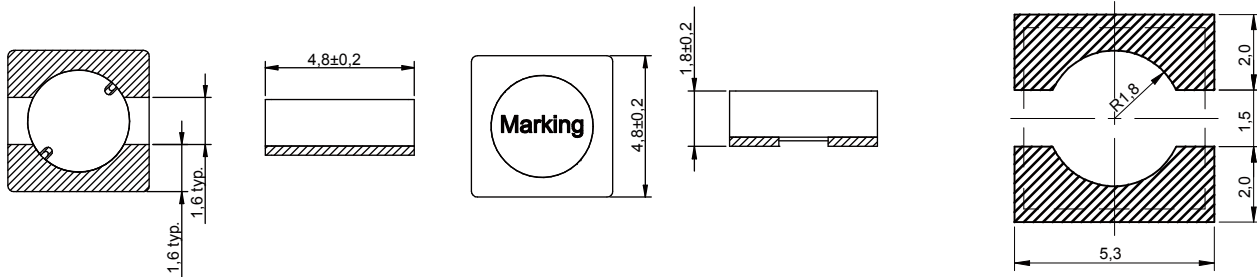
- Low profile type
- Magnetically shielded
- Different sizes available
- Quantity: 800pcs

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
TSDR4818-R56N	0.56	±35 %	3.1	3	19	25	NiZn
TSDR4818-1R0N	1.0	±30 %	2.7	2.6	20	30	
TSDR4818-1R8N	1.8	±30 %	2.35	2.4	40	50	
TSDR4818-2R7N	2.7	±30 %	2.03	2.2	47	60	
TSDR4818-3R3N	3.3	±30 %	1.95	1.8	50	65	
TSDR4818-3R9N	3.9	±30 %	1.82	1.7	60	75	
TSDR4818-4R7N	4.7	±30 %	1.72	1.65	70	82	
TSDR4818-5R6N	5.6	±30 %	1.64	1.35	80	90	
TSDR4818-6R8N	6.8	±30 %	1.5	1.25	80	100	
TSDR4818-8R2N	8.2	±30 %	1.4	1.1	100	135	
TSDR4818-100N	10	±30 %	1.3	1	120	150	
TSDR4818-120N	12	±30 %	1.15	0.95	150	170	
TSDR4818-150N	15	±30 %	1.03	0.75	190	220	
TSDR4818-180N	18	±30 %	0.92	0.7	270	280	
TSDR4818-220N	22	±30 %	0.88	0.6	280	300	
TSDR4818-330N	33	±30 %	0.72	0.5	382	420	
TSDR4818-470N	47	±30 %	0.62	0.45	540	600	

Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)	Core Material
TSDR4818-680N	68	±30 %	0.5	0.38	715	860	NiZn
TSDR4818-101N	100	±30 %	0.4	0.3	1170	1350	
TSDR4818-221N	220	±30 %	0.2	0.16	2880	3200	
TSDR4818-331N	330	±30 %	0.15	0.13	4100	4500	

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:

