

TSDR Series

SMD Shielded Tiny Power Inductor

Size 8043



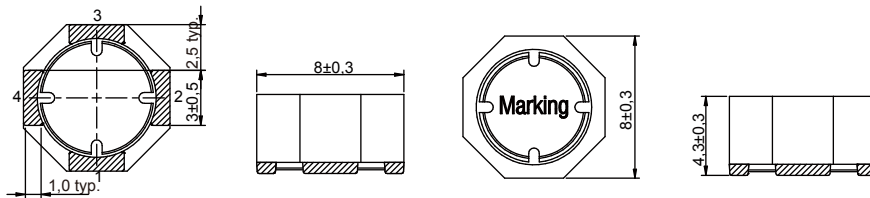
CHARACTERISTICS

- Low profile type
- Magnetically shielded
- Different sizes available
- Quantity: 300pcs

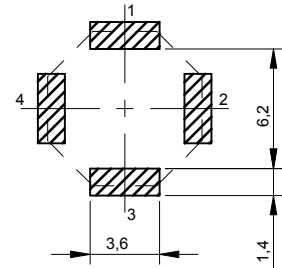
APPLICATION

- 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
TSDR8043-R82N	0.82	±30 %	7.3	8.0	7	9	NiZn
TSDR8043-2R2N	2.2	±30 %	5.4	6.3	10	13	
TSDR8043-3R9N	3.9	±30 %	4.9	4.5	13	17	
TSDR8043-4R7N	4.7	±30 %	4.8	4.3	17	22	
TSDR8043-5R6N	5.6	±30 %	4.0	4.0	20	25	
TSDR8043-100N	10	±30 %	3.4	2.8	28	35	
TSDR8043-150N	15	±30 %	2.8	2.3	46	55	
TSDR8043-220N	22	±30 %	2.3	1.9	65	80	
TSDR8043-330N	33	±30 %	1.9	1.5	95	120	
TSDR8043-470N	47	±30 %	1.6	1.3	120	150	
TSDR8043-680N	68	±30 %	1.3	1.1	185	230	
TSDR8043-101N	100	±30 %	1.0	0.9	270	320	
TSDR8043-221N	220	±30 %	0.72	0.6	510	610	
TSDR8043-102N	1000	±30 %	0.23	0.34	2985	3500	

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

Temperature rise current: The actual value of DC current when the temperature rise is ΔT40 °C

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

Typical Electrical Characteristics:

