

Power Inductors Shielded-SMT Square 7 x 7 mm

POWER INDUCTORS

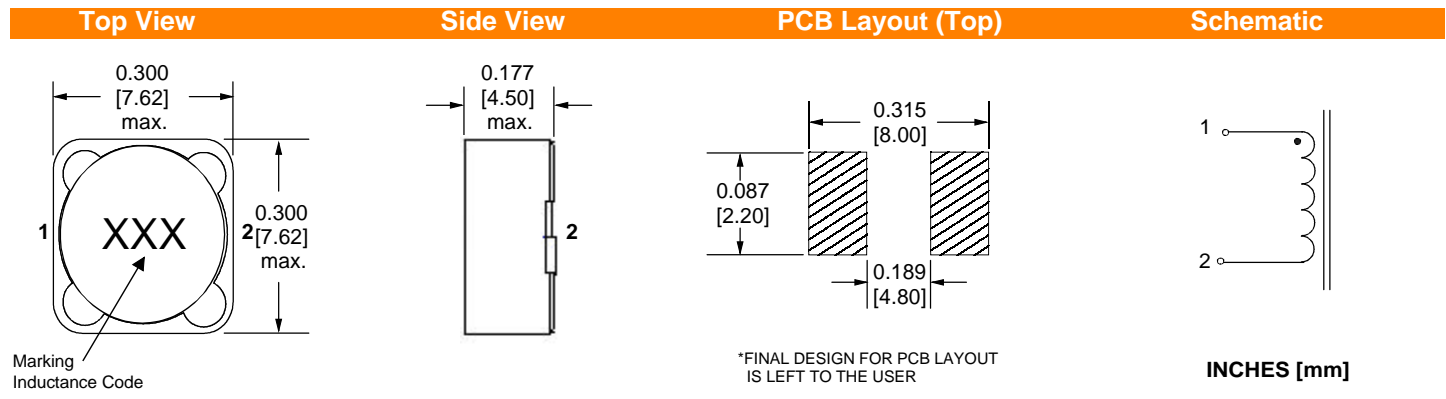
(SDQIE0504 Series)



MAX. DIM :
L = 7.62 mm
W = 7.62 mm
H = 4.50 mm

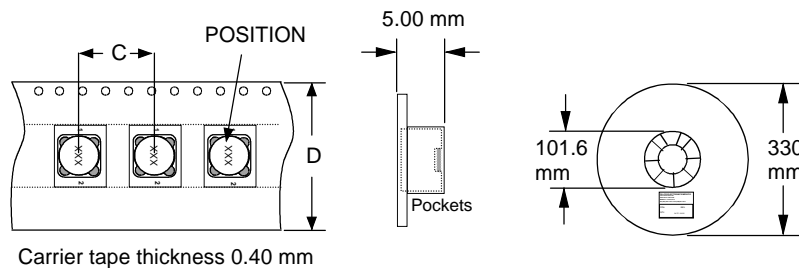
- Used in high frequency DC/DC converters, computers and other electronics applications.
- Magnetically shielded for low EMI radiation.
- Electrode connected to core ferrite.
- Low DC resistance.
- Inductance range from 0.95 μH to 150 μH .
- Energy storage limit of 18 μJ .
- Tape & Reel : 1000 pcs/Reel, 8 Reels/Box.

MECHANICAL SPECIFICATIONS



Packing Information

Tape & Reel



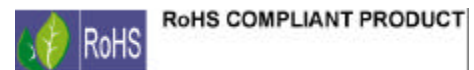
ITEM	DESCRIPTION	QTY.
A	QTY. PER REEL	1000
B	QTY. PER BOX	8000
C	PITCH	12 mm
D	TAPE WIDTH	16 mm

See tape and reel information 83-003

ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	RoHS PART NUMBER	OCL(μH) ¹ $\pm 20\%$	DCR (W max)	I rating ² (Amp)	I sat ³ (Amp)	Inductance Code	
						Standard	RoHS
SD0713		0.95	0.0138	5.00	*10.20	1R0	
SD0703	SDL703	10	0.0624	1.81	2.00	100	10L
SD0704		12	0.0662	1.69	1.73	120	
SD0705		15	0.0925	1.45	1.50	150	
SD0706		18	0.1039	1.29	1.35	180	
SD0702		22	0.1256	1.21	1.25	220	
SD0707		27	0.1713	1.10	1.14	270	
SD0708		33	0.1941	0.94	0.97	330	
SD0709		39	0.2626	0.89	0.94	390	
SD0710		47	0.2968	0.86	0.92	470	
SD0701	SD07L1	56	0.3500	0.75	0.90	560	56L
SD0711		100	0.6100	0.60	0.65	101	
SD0712	SD07L2	150	0.6500	0.37	0.55	151	151L

1. Inductance tested at 100 KHz 0.25 V.
2. Temperature rise is 40°C Typ.
3. Inductance drop 20% Typ. at Isat, *30% Typ at Isat.
4. Operating Temp. range -40°C to +85°C.
5. OCL and DCR tested at Ta= 25°C.



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Inductance & Energy vs Current (SDQIE0504 Series)

