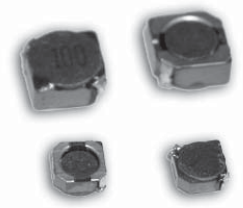


# MINI SHIELDED SMT POWER INDUCTORS

ASPI SERIES : 0315S, 0502S, 4214S, 3811RD, 4612RD, 4614RD



## FEATURES:

- Magnetic shielding
- Very small foot print
- Flat-top for pick & place
- Increased size selection guide

## OPTIONS:

- Tape & Reel is standard  
Bulk packaging available
- Tolerance: 20% is standard
- Custom design available

## APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up, step-down converters

## STANDARD SPECIFICATIONS:

Part No -XXX	L (μH) ±20%	DCR (Ω) Max						I <sub>DC</sub> (A) Max					
		ASPI 0315S	ASPI 0502S	ASPI 4214S	ASPI 3811RD	ASPI 4612RD	ASPI 4614RD	ASPI 0315S	ASPI 0502S	ASPI 4214S	ASPI 3811RD	ASPI 4612RD	ASPI 4614RD
1R0	1.0		0.028						3.86				
1R2	1.2		0.036						3.12				
1R5	1.5	0.052	0.036					1.55	3.12				
2R2	2.2	0.072	0.043					1.20	2.63				
2R7	2.7		0.051						2.38				
3R3	3.3	0.085	0.063					1.10	1.95				
3R5	3.5		0.063						1.95				
4R7	4.7	0.105	0.072					0.90	1.76				
5R6	5.6		0.083						1.60				
6R8	6.8	0.170	0.102	0.11				0.73	1.40	0.750			
8R2	8.2		0.116						1.55				
100	10	0.210	0.124	0.14			0.25	0.55	1.20	0.660			0.60
120	12		0.162						1.10				
150	15	0.295	0.204					0.45	0.97				
180	18		0.226						0.85				
220	22	0.430	0.265	0.21			0.35	0.40	0.80	0.500			0.40
270	27		0.320						0.75				
330	33	0.675	0.380	0.30				0.32	0.65	0.420			
390	39		0.496						0.57				
470	47		0.525	0.35					0.54	0.330			
560	56		0.795						0.50				
680	68		0.860						0.43				
820	82		0.980						0.41				
101	100		1.250	0.6	3.2	1.6	1.5		0.36	0.260	0.180	0.200	0.22
121	120												
151	150						2.5						0.20
181	180												
221	220				6	3.5	3.0				0.120	0.150	0.18
271	270												
331	330				10	4.5	4.0				0.100	0.120	0.16
471	470				12	7.0	7.0				0.080	0.100	0.14
561	560				15	7.5	7.5				0.075	0.095	0.13
681	680				18	8.3	8.0				0.070	0.090	0.12
821	820				24	12	9.0				0.055	0.085	0.11
102	1000				27	16	12				0.050	0.075	0.10
152	1500			20	35	21	20			0.060	0.045	0.060	0.08
222	2200			34	58	30	25			0.065	0.040	0.050	0.05
332	3300			39		40	35			0.045		0.040	0.04
472	4700			43		65	80			0.033		0.035	0.03

## TECHNICAL INFORMATION:

- L Testing Frequency: 100KHz, 0.1VRMS (0315S, 3811RD, 4612RD, 4614RD)
- L Testing Frequency: 10KHz, 0.25VRMS (0502S)
- Add -M for 20% inductance tolerance, -T for tape and reel
- L drops 10% typical at IDC except ASPI-0502S is 35% max
- Operating Temperature: -40°C to +85°C
- See SCD for detail electrical and mechanical specification

Note: All specifications subject to change without notice.



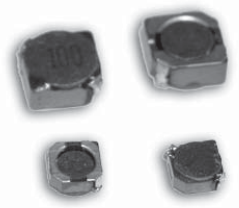
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ASPI SERIES : 0315S, 0502S, 4214S, 3811RD, 4612RD, 4614RD



PART NUMBERS	DIMENSIONS : INCH / MM		
ASPI-0315S			
ASPI-0502S			
ASPI-4214S			
ASPI-3811RD			
ASPI-4612RD			
ASPI-4614RD			

• Tolerance: X.XX = ±0.030, X.XXX=±0.015

Note: All specifications subject to change without notice.