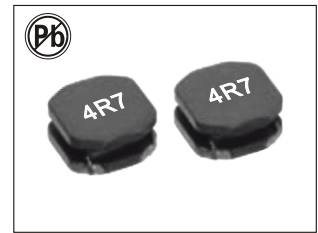


SMD Inductors(Coils) For Power Line(Wound, Magnetic Shielded) LPS2512 SERIES



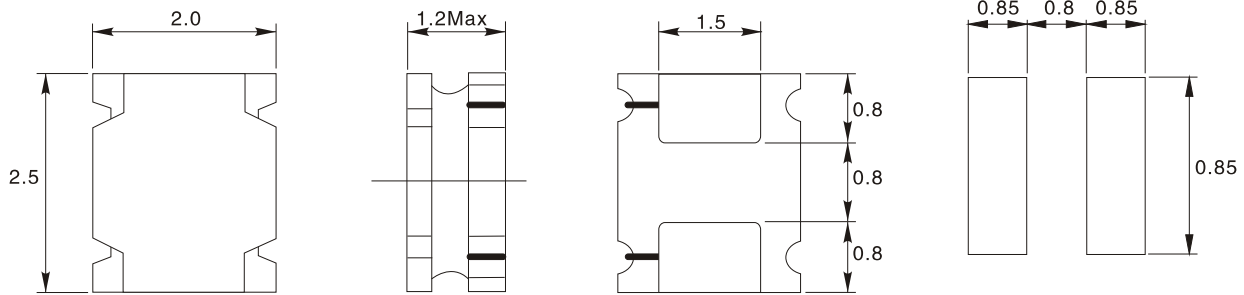
FEATURES:

- Magnetically shielded by magnetic powder molding
- Miniature size: Mount area: 2.0x2.5mm, Height: 1.2mm max.
- Generic use for portable DC to DC converter line.
- High magnetic shield construction should actualize high resolution for EMC protection.
- Available for automatic mounting in tape and reel package.
- The products do not contain lead and support lead-free soldering.

APPLICATIONS:

- Cellular phones, DVCs, DSCs, PDAs, LCD displays, HDDs, etc

SHAPE AND DIMENSIONS Dimensions(mm)



ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (uH)	Inductance tolerance %	Test frequency KHz	DCR Max (Ω)	DCR Typ (Ω)	Rated current*		
						Based on inductance change		Based on temperature rise
						Max	Typ	
LPS2512-R47N	0.47	± 30	100	0.05	0.042	3.6	4.03	2.27
LPS2512-R68N	0.68	± 30	100	0.088	0.073	3.06	3.43	1.73
LPS2512-1R0N	1.0	± 30	100	0.102	0.085	2.68	3.00	1.58
LPS2512-1R2N	1.2	± 30	100	0.119	0.099	2.38	2.67	1.46
LPS2512-1R5M	1.5	± 20	100	0.136	0.113	2.24	2.51	1.40
LPS2512-2R2M	2.2	± 20	100	0.198	0.165	1.85	2.07	1.15
LPS2512-2R7M	2.7	± 20	100	0.222	0.285	1.71	1.92	1.09
LPS2512-3R3M	3.3	± 20	100	0.240	0.200	1.61	1.80	1.04
LPS2512-3R6M	3.6	± 20	100	0.322	0.268	1.48	1.66	0.90
LPS2512-4R3M	4.3	± 20	100	0.348	0.290	1.37	1.53	0.87
LPS2512-4R7M	4.7	± 20	100	0.378	0.315	1.18	1.32	0.84
LPS2512-5R1M	5.1	± 20	100	0.378	0.315	1.18	1.32	0.84
LPS2512-5R6M	5.6	± 20	100	0.401	0.334	1.13	1.26	0.81
LPS2512-6R2M	6.2	± 20	100	0.500	0.417	1.03	1.16	0.73
LPS2512-6R8M	6.8	± 20	100	0.536	0.447	0.98	1.09	0.69
LPS2512-7R5M	7.5	± 20	100	0.564	0.470	0.97	1.09	0.68
LPS2512-8R2M	8.2	± 20	100	0.607	0.506	0.96	1.10	0.65
LPS2512-9R1M	9.1	± 20	100	0.667	0.556	0.95	1.06	0.62
LPS2512-100M	10	± 20	100	0.690	0.575	0.88	0.97	0.62
LPS2512-120M	12	± 20	100	0.992	0.827	0.78	0.87	0.51
LPS2512-150M	15	± 20	100	1.469	1.224	0.68	0.76	0.42
LPS2512-220M	22	± 20	100	1.824	1.520	0.53	0.59	0.38