

## SMD Inductors For Power Line (Wound, Magnetic Epoxy Shielded)

### PPS Series PPS40□□FT Type

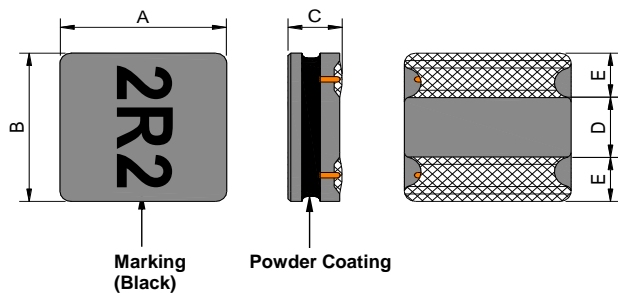
#### FEATURES

- Miniature size : Mount area 4.2× 4.2mm ; Low profile 1.0~1.8mm max. height
- Generic use for portable DC to DC converter line.
- Available for automatic mounting in tape and reel package.
- The products contain no lead and also support lead-free soldering.
- It is a product conforming to RoHS directive.
- High Reliability for Resistance to Soldering heat.

#### APPLICATIONS

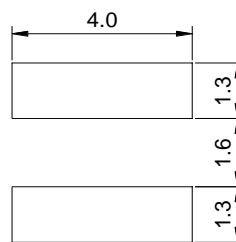
Power source inductor for mobile phones, HDDs, LCD Panel, and DSCs

#### SHAPES AND DIMENSIONS



#### RECOMMENDED PC BOARD PATTERN

(Dimensions in mm)



unit: mm

Type	A(±0.2)	B(±0.2)	C(Max.)	D(Typ.)	E(Typ.)	Reel	Qty
PPS4010FT	4.0	4.0	1.0	1.6	1.20	13"	3,000
PPS4012FT	4.0	4.0	1.2	1.6	1.20	13"	3,000
PPS4015FT	4.0	4.0	1.5	1.6	1.20	13"	3,000
PPS4018FT	4.0	4.0	1.8	1.6	1.20	13"	3,000

#### ELECTRICAL CHARACTERISTICS

PT/NO. (PPS40□□FT)	L(μH)	Resistance RDC(Ω)±20%				Rated DC Current								Marking
						IDC1(A)				IDC2(A)				
		4010	4012	4015	4018	4010	4012	4015	4018	4010	4012	4015	4018	
1R0N	1.0	90m	60m	35m	30m	1.90	2.50	3.30	4.50	1.45	1.85	2.50	2.60	1R0
1R5N	1.5		75m	43m	39m		2.00	2.80	3.40		1.65	2.30	2.40	1R5
2R2N	2.2	0.14	90m	56m	60m	1.30	1.65	2.30	3.00	1.20	1.45	2.00	1.90	2R2
3R3M	3.3	0.16	0.13	76m	70m	1.10	1.20	1.90	2.40	1.10	1.30	1.70	1.80	3R3
3R9M	3.9				83m				2.10				1.60	3R9
4R7M	4.7	0.21	0.14	0.11	90m	0.90	1.10	1.60	1.90	1.00	1.20	1.40	1.45	4R7
6R8M	6.8	0.28	0.18	0.15	0.13	0.74	0.95	1.40	1.60	0.88	1.03	1.20	1.30	6R8
8R2M	8.2			0.20				1.30				1.13		8R2
100M	10	0.38	0.24	0.22	0.18	0.60	0.74	1.10	1.40	0.76	0.92	1.05	1.10	100
150M	15	0.51	0.40	0.32	0.25	0.50	0.62	0.90	1.20	0.63	0.75	0.85	0.95	150
220M	22	0.82	0.61	0.47	0.36	0.41	0.54	0.75	0.90	0.50	0.61	0.71	0.78	220
330M	33	1.20	0.81	0.65	0.53	0.33	0.43	0.61	0.75	0.42	0.50	0.59	0.65	330
470M	47	1.60	1.20	1.08	0.74	0.28	0.36	0.52	0.63	0.35	0.40	0.45	0.53	470
680M	68				1.20				0.54				0.40	680
101M	100				1.80				0.42				0.32	101

Remark :

- Tolerance of inductance: M(±20%), N(±30%)
- IDC1 : Based on inductance change ( $\Delta L/L_0 : \leq -30\%$ ) @ ambient temp. 25°C  
IDC2 : Based on temperature rise ( $\Delta T : 40^\circ\text{C TYP.}$ )  
Rated DC Current : The less value which is IDC1 or IDC2.

• All specifications are subject to change without notice.

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