

LPF3513 Series

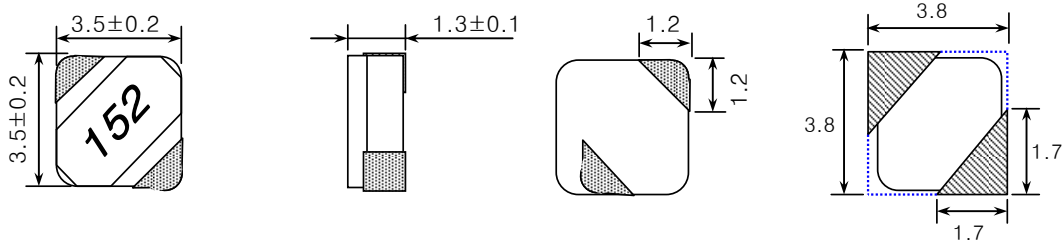


http://www.abco.co.kr

SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

Ordering Code	Inductance		Frequency F (KHz)	DC Resistance(Ω) Rdc (Max.)	Rated DC current(A)	
	L (uH)	Tol. (%)			Idc1 (Max.)	Idc2 (Typ.)
LPF3513T-1R0N	1.0	±30	100	0.052	2.000	2.000
LPF3513T-1R5M	1.5	±20		0.058	1.600	1.750
LPF3513T-2R2M	2.2			0.078	1.300	1.550
LPF3513T-3R3M	3.3			0.114	1.100	1.400
LPF3513T-4R7M	4.7			0.1565	0.800	1.200
LPF3513T-6R8M	6.8			0.2245	0.780	0.950
LPF3513T-100M	10			0.292	0.740	0.840
LPF3513T-150M	15			0.425	0.550	0.670
LPF3513T-220M	22			0.635	0.450	0.540
LPF3513T-330M	33			1.0	0.380	0.410
LPF3513T-470M	47			1.265	0.280	0.310
LPF3513T-680M	68	1.58		0.250	0.300	
LPF3513T-101M	100	2.47		0.200	0.220	
LPF3513T-151M	150	3.87		0.140	0.195	
LPF3513T-221M	220	4.65		0.130	0.190	
LPF3513T-331M	330	8.65		0.095	0.140	
LPF3513T-471M	470	11.90		0.080	0.090	
LPF3513T-561M	560	13.45		0.075	0.075	
LPF3513T-681M	680	18.0		0.070	0.070	
LPF3513T-821M	820	20.85		0.060	0.065	
LPF3513T-102M	1000	22.45	0.050	0.060		
LPF3513T-152M	1500	35.0	0.045	0.050		
LPF3513T-222M	2200	58.0	0.040	0.040		

▼ Test Equipments

- . L : Agilent E4980A Precision LCR Meter
- . Rdc : HIOKI 3540 mΩ HiTESTER
- . Idc1 : Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- . Idc2 : Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply

Packing style

T : Taping B : Bulk

▼ Test Condition

- . L(Frequency , Voltage) : F=100 (KHz) , V=0.5 (V)
- . Idc1(The saturation current) : $\Delta L \leq 30\%$ reduction from nominal L value
- . Idc2(The temperature rise): $\Delta T = 30^\circ\text{C}$ typical at rated DC current
- * Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-20 ~ +70°C (Including self-generated heat)