

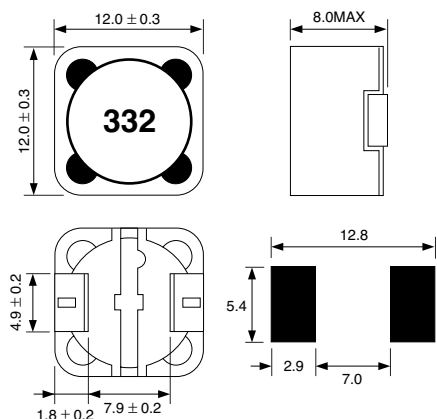
SMD TYPE

LPF1280 SERIES

SMD Shielded type

SHAPES & DIMENSIONS RECOMMENDED PCB PATTERN

(Dimensions in mm)



TEST EQUIPMENTS

- Inductance: Agilent 4284A LCR Meter (100KHz 0.5V)
- Rdc: HIOKI 3540 mΩ HiTESTER
- Bias Current: Agilent 4284A + Agilent 42841A
- IDC1(The saturation current): $\Delta L \leq 20\%$ at rated current
- IDC2(The temperature rise): $\Delta T = 40^\circ\text{C}$ at rated current

ELECTRICAL CHARACTERISTICS

Ordering Code	Inductance (μH)	Inductance TOL.(%)	Test Freq. (KHz)	DC Resistance (Ω)Max	Rated Current[A]	
					IDC1 (Max.)	IDC2 (Ref)
LPF1280T-1R0M	1.0	± 20	100	0.007	12.00	13.03
LPF1280T-2R4M	2.4			0.013	10.00	10.38
LPF1280T-3R5M	3.5			0.014	9.30	9.69
LPF1280T-4R7M	4.7			0.015	9.10	8.69
LPF1280T-5R8M	5.8			0.019	8.60	7.56
LPF1280T-8R2M	8.2			0.020	8.00	7.02
LPF1280T-100M	10			0.022	6.70	6.87
LPF1280T-150M	15			0.026	5.65	6.50
LPF1280T-220M	22			0.036	4.70	5.79
LPF1280T-330M	33			0.054	3.90	5.31
LPF1280T-470M	47			0.087	3.25	3.50
LPF1280T-530M	53			0.090	2.90	3.30
LPF1280T-680M	68			0.110	2.60	3.20
LPF1280T-101M	100			0.140	2.10	2.62
LPF1280T-151M	150			0.200	1.80	2.30
LPF1280T-221M	220			0.320	1.45	1.97
LPF1280T-331M	330	0.450	1.20	1.65		
LPF1280T-471M	470	0.690	1.00	1.40		
LPF1280T-681M	680	0.900	0.90	1.31		
LPF1280T-102M	1000	1.450	0.70	0.77		
LPF1280T-152M	1500	1.950	0.65	0.65		
LPF1280T-222M	2200	2.690	0.55	0.57		

OPERATING TEMPERATURE RANGE

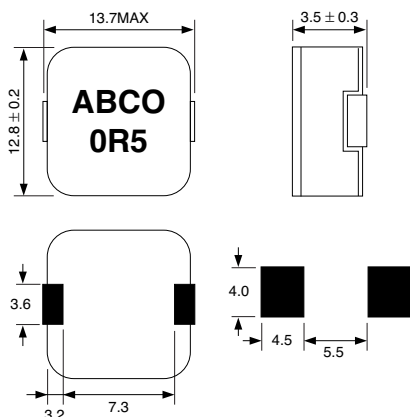
-20 ~ +85°C (Including self-generated heat)

LPM1235 SERIES

SMD Shielded type

SHAPES & DIMENSIONS RECOMMENDED PCB PATTERN

(Dimensions in mm)



ELECTRICAL CHARACTERISTICS

Ordering Code	Inductance (μH)	Inductance TOL.(%)	Test Freq. (KHz)	DC Resistance (m Ω) Max	Rated Current(A)	
					IDC1 (Max.)	IDC2 (Ref.)
LPM1235T-0R5M	0.5	± 20	100	2.0	32	32
LPM1235T-0R8M	0.8			3.0	34	26
LPM1235T-1R0M	1.0			3.0	26	26

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- IDC1(The saturation current): $\Delta L \leq 20\%$ at rated current
- IDC2(The temperature rise): $\Delta T = 40^\circ\text{C}$ at rated current

OPERATING TEMPERATURE RANGE

-20 ~ +105°C (Including self-generated heat)