

Power Ferrite Wirewound SMD Inductors

Features

- Utilizing a miniaturized winding structure.
- These products provide low DC resistance and high current.
- Precision inductance tolerance is available.



Applications

- Personal computers, Hard disk drives
- ADSL modem Cable modem
- Digital camera and other electronic equipment

Environmental Data

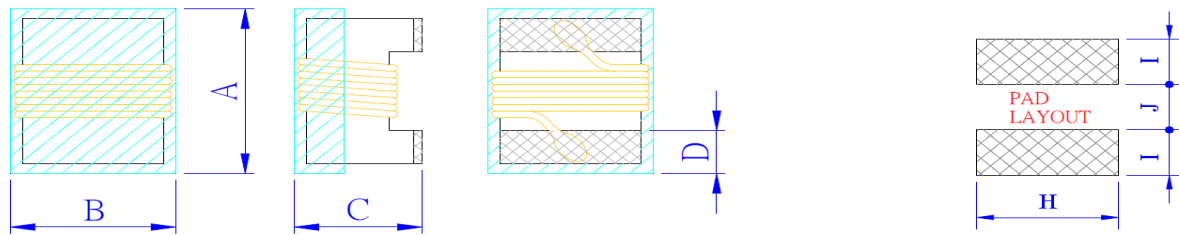
- Operating temperature range: -40°C ~ +105°C
(including coil's Self temperature rise)

Ordering Code

LP F 3225 TP - 101 K - R
 ① ② ③ ④ ⑤ ⑥ ※

①Type		②Material		③Body size(L*W)	
LP		Ferrite Bobbin		3225	3.2*2.5
④Packing		⑤Inductance Value(nH)		⑥Inductance Tol(%)	
TP	Taping	R10	0.1	J	±5
TQ	High Q Taping	1R0	1.0	K	±10
		100	10	M	±20
		101	100		
※Revision					
R					
E					

Shape & Dimension (Unit:mm)



TYPE	A (mm)	B (mm)	C (mm)	H (Ref.)	I (Ref.)	J (Ref.)
LPF2520TP	2.5±0.4	2.0±0.5	1.6±0.4	2.54	1.02	1.27
LPF3225TP	3.2±0.4	2.5±0.4	2.0±0.4	2.70	1.20	1.27

LPF2520TP

Specification

Part Number	Inductance	Tolerance	Q	SRF Min.	Rdc Max.	Idc Avg.
	uH/MHz	%	Min./MHZ	MHz	Ω	mA
LPF2520TP -R12J	0.12@ 25	±5, ±10	26/25	930	0.30	1000
LPF2520TP -R18J	0.18@25	±5, ±10	30/25	930	0.30	960
LPF2520TP -R20J	0.20@25	±5, ±10	30/25	735	0.30	960
LPF2520TP -R22J	0.22@25	±5, ±10	27/25	750	0.40	880
LPF2520TP -R33J	0.33@25	±5, ±10	30/25	600	0.42	900
LPF2520TP -R39J	0.39@25	±5, ±10	30/25	480	0.45	920
LPF2520TP -R47J	0.47@25	±5, ±10	30/25	470	0.50	920
LPF2520TP -R56J	0.56@25	±5, ±10	30/25	460	0.55	900
LPF2520TP -R62J	0.62@25	±5, ±10	30/25	460	0.55	900
LPF2520TP -R68J	0.68@25	±5, ±10	30/25	420	0.55	880
LPF2520TP -R75J	0.75@25	±5, ±10	30/25	420	0.65	880
LPF2520TP -R82J	0.82@25	±5, ±10	30/25	380	0.65	840
LPF2520TP -R91J	0.91@25	±5, ±10	30/25	400	0.65	840
LPF2520TP -1R0J	1.0@7.9	±5, ±10	25/7.9	300	0.60	800
LPF2520TP -1R2J	1.2@7.9	±5, ±10	25/7.9	280	0.74	800
LPF2520TP -1R5J	1.5@7.9	±5, ±10	25/7.9	245	0.85	780
LPF2520TP -1R8J	1.8@7.9	±5, ±10	25/7.9	240	0.92	780
LPF2520TP -2R2J	2.2@ 7.9	±5, ±10	25/7.9	205	1.10	760
LPF2520TP -2R7J	2.7@ 7.9	±5, ±10	25/7.9	187	1.22	760

LPF2520TP-3R3J	3.3@ 7.9	±5, ±10	25/7.9	165	1.37	740
LPF2520TP-3R9J	3.9@ 7.9	±5, ±10	25/7.9	144	1.66	700
LPF2520TP-4R7J	4.7@7.9	±5, ±10	25/7.9	110	1.68	660
LPF2520TP-5R6J	5.6@7.9	±5, ±10	25/7.9	88	1.75	640
LPF2520TP-6R8J	6.8@ 7.9	±5, ±10	25/7.9	70	1.85	640
LPF2520TP-8R2J	8.2@ 7.9	±5, ±10	25/7.9	57	2.00	600
LPF2520TP-100J	10@ 7.9	±5, ±10	25/7.9	55	2.32	600
LPF2520TP-120J	12@ 2.5	±5, ±10	15/2.5	52	2.99	560
LPF2520TP-150J	15@ 2.5	±5, ±10	15/2.5	49	3.42	480
LPF2520TP-180J	18@ 2.5	±5, ±10	15/2.5	48	4.65	420
LPF2520TP-220J	22@ 2.5	±5, ±10	15/2.5	25	5.12	420
LPF2520TP-270J	27@ 2.5	±5, ±10	15/2.5	23	5.76	420
LPF2520TP-330J	33@ 2.5	±5, ±10	15/2.5	17	6.44	400
LPF2520TP-390J	39@ 2.5	±5, ±10	15/2.5	15	6.85	380
LPF2520TP-470J	47@ 2.5	±5, ±10	14/2.5	13	9.94	260
LPF2520TP-560J	56@ 2.5	±5, ±10	14/2.5	10	10.70	280
LPF2520TP-680J	68@ 2.5	±5, ±10	14/2.5	8	12.80	260
LPF2520TP-820J	82@ 2.5	±5, ±10	14/2.5	8	18.30	240
LPF2520TP-101J	100@ 2.5	±5, ±10	8/1.0	7	19.60	240

- Inductance,Q : RF LCR Meter HP4287A +16197A Fixture or equivalent
- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent
- SRF : Agilent E4991A 1MHz ~ 3GHz RF Impedance Material Analyzer+E4991A Test Head+16197A Fixture or equivalent
- Idc For 15°C Rise : Agilent 6692A 0-60V/0-110A SYSTEM DC POWER SUPPLY+ YOKOGAWA DR130 HYBRID RECORDER or equivalent

LMF3225TP

Specification

Part Number	Inductance	Tolerance	Q	SRF Min.	Rdc Max.	Idc Avg.
	uH/MHz	%	Min./MHZ	MHz	Ω	mA
LPF3225TP-R39J	0.39@ 25	±5	40/25	500	0.090	3000
LPF3225TP-R47K	0.47@25	±5, ±10	40/25	500	0.090	3000
LPF3225TP-R56K	0.56@25	±10	40/25	500	0.100	3000
LPF3225TP-1R0K	1.0@7.9	±5, ±10	35/7.9	340	0.125	2600
LPF3225TP-1R2K	1.2@7.9	±10	35/7.9	280	0.135	2400
LPF3225TP-1R5K	1.5@7.9	±10	30/7.9	160	0.145	2200
LPF3225TP-1R8K	1.8@7.9	±5, ±10	30/7.9	120	0.160	2000
LPF3225TP-2R2K	2.2@7.9	±5, ±10	30/7.9	100	0.170	1900
LPF3225TP-2R5K	2.5@7.9	±5, ±10	30/7.9	80	0.190	1700
LPF3225TP-3R3K	3.3@7.9	±5, ±10	30/7.9	70	0.210	1500
LPF3225TP-4R7K	4.7@7.9	±5, ±10	28/7.9	55	0.300	1300
LPF3225TP-6R8K	6.8@7.9	±5, ±10	28/7.9	45	0.370	1000

LPF3225TP -8R2K	8.2@7.9	±5, ±10	28/7.9	45	0.470	940
LPF3225TP -100K	10@2.5	±5, ±10	22/2.5	47	0.500	900
LPF3225TP -120K	12@2.5	±5, ±10	22/2.5	42	0.680	770
LPF3225TP -150K	15@2.5	±5, ±10	22/2.5	34	0.720	740
LPF3225TP -180K	18@2.5	±5, ±10	22/2.5	28	0.950	630
LPF3225TP -220K	22@ 2.5	±5, ±10	20/2.5	25	1.100	600
LPF3225TP -270K	27@ 2.5	±5, ±10	20/2.5	18	1.250	520
LPF3225TP -330K	33@ 2.5	±5, ±10	20/2.5	13	1.370	490
LPF3225TP -470K	47@ 2.5	±5, ±10	22/2.5	12	1.880	400
LPF3225TP -560K	56@2.5	±5, ±10	22/2.5	10	2.750	360
LPF3225TP -680K	68@2.5	±5, ±10	22/2.5	10	3.000	340
LPF3225TP -820K	82@ 2.5	±5, ±10	15/1.0	10	4.100	300
LPF3225TP -101K	100@ 1.0	±5, ±10	15/1.0	8	4.682	270
LPF3225TP -121K	120@ 1.0	±5, ±10	13/1.0	7	5.800	220
LPF3225TP -151K	150@ 1.0	±5, ±10	13/1.0	7	6.102	220
LPF3225TP -181K	180@ 1.0	±5, ±10	13/1.0	3	7.100	200
LPF3225TP -221K	220@ 1.0	±5, ±10	13/1.0	3	7.650	180
LPF3225TP -331K	330@ 1.0	±5, ±10	13/1.0	3	12.62	160
LPF3225TP -471K	470@ 1.0	±5, ±10	13/1.0	3	25.00	120
LPF3225TP -561K	560@ 1.0	±5, ±10	13/1.0	2	27.00	100
LPF3225TP -681K	680@ 1.0	±5, ±10	13/1.0	2	31.00	100
LPF3225TP -821K	820@ 1.0	±5, ±10	10/1.0	2	42.00	50
LPF3225TP -102K	1000@ 1.0	±5, ±10	10/1.0	2	46.00	50

Test Equipments

- Inductance, Q : RF LCR Meter HP4287A +16197A Fixture or equivalent
- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent
- SRF : Agilent E4991A 1MHz ~ 3GHz RF Impedance Material Analyzer+E4991A Test Head+16197A Fixture or equivalent
- Idc For 15°C Rise : Agilent 6692A 0-60V/0-110A SYSTEM DC POWER SUPPLY+ YOKOGAWA DR130 HYBRID RECORDER or equivalent