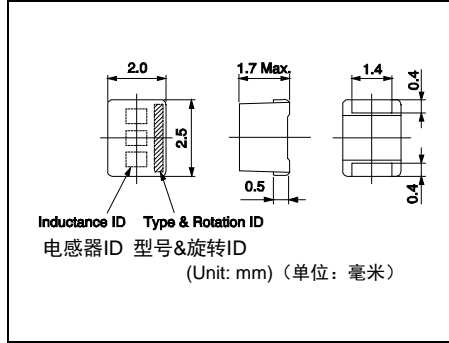
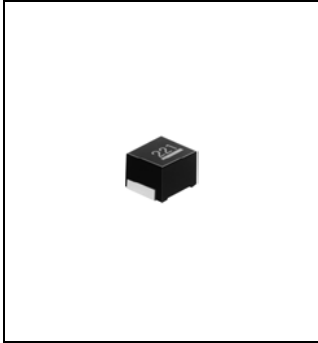


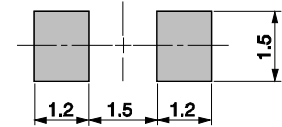
LLM2520



(Previous name FSLM2520) (原名 FSLM2520)
Inductance Range/电感值范围:0.1~220μH (E-12)



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

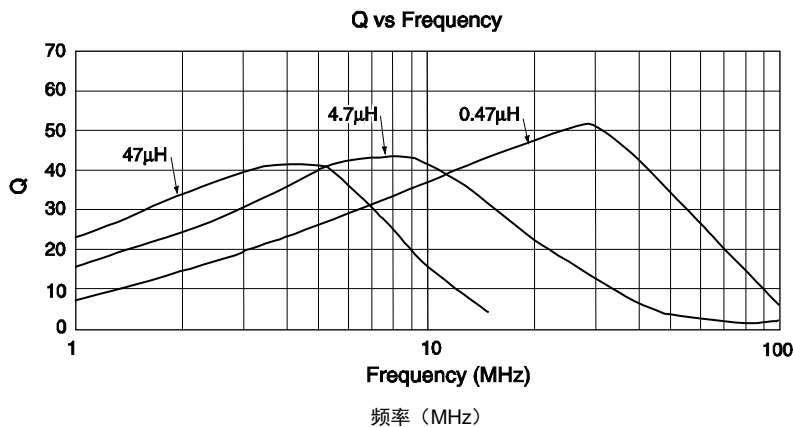
FEATURES 特点

- Wire-wound miniature chip inductor most suitable for surface mount.
- It is recommended for wide general use for signal conditioning in a variety of electronic equipment.
- Low profile 1.7mm Max height. (1.6mm Typ.)
- Wide inductance range from 0.1 to 220μH.
- Superior solderability and high heat-resistance for reflow soldering.
- Excellent environmental and mechanical stability.
- 卷线微型贴片电感器最适合表面贴装。
- 推荐在多样化的电子设备中各种信号条件下普遍使用。
- 薄型：最高1.7毫米 (1.6毫米、典型.)
- 0.1~220μH的宽泛的电感值范围。
- 对于回流焊接，具有优良的可焊性和高的热电阻。
- 出色的环境和机械特性。

ELECTRICAL CHARACTERISTICS 电气特性

• Inductance Range	0.1~220μH (E-12 Series)	• 电感值范围	0.1~220μH (E-12系列)
• Inductance Tolerance	J ; ± 5%	• 电感值公差	J ; ±5%
	K ; ± 10%		K ; ±10%
• Inductance Temperature Coefficient	750ppm/°C Max.	• 电感值温度系数	750ppm/°C Max.
• Operating Temperature	-40°C~+85°C	• 使用温度范围	-40°C~+85°C
• Storage Temperature	-40°C~+85°C	• 储存温度范围	-40°C~+85°C
(In case of taping used)	(-40°C~+60°C)	(使用编带包装时)	(-40°C~+60°C)

EXAMPLES OF CHARACTERISTICS 特性范例



continued from previous page 接上页

STANDARD PART NUMBERS 标准零件号码

TYPE LLM2520 (Previous name FSLM2520, Quantity/reel; 2,000 PCS)/LLM2520型 (原名FSLM2520, 每卷数量; 2,000 PCS)

零件号码	电感值 ⁽¹⁾		最小Q	测试频率	最大直流电阻 ⁽²⁾	最大额定直流电流 ⁽³⁾	最小自谐振频率
Part Number	Inductance ⁽¹⁾		Q Min.	Test Frequency (MHz)	DC Resistance ⁽²⁾ (Ω) Max.	Rated DC Current ⁽³⁾ (mA) Max.	Self-resonant Frequency (MHz) Min.
	Lo (μH)	Tolerance					
#FSLM2520-R10□=P2	0.10	J,K	30	25.2	0.21	570	680
#FSLM2520-R12□=P2	0.12	J,K	30	25.2	0.22	550	650
#FSLM2520-R15□=P2	0.15	J,K	30	25.2	0.25	500	530
#FSLM2520-R18□=P2	0.18	J,K	30	25.2	0.29	460	520
#FSLM2520-R22□=P2	0.22	J,K	30	25.2	0.30	430	390
#FSLM2520-R27□=P2	0.27	J,K	30	25.2	0.33	420	330
#FSLM2520-R33□=P2	0.33	J,K	30	25.2	0.39	400	310
#FSLM2520-R39□=P2	0.39	J,K	30	25.2	0.40	375	290
#FSLM2520-R47□=P2	0.47	J,K	30	25.2	0.44	350	260
#FSLM2520-R56□=P2	0.56	J,K	30	25.2	0.49	330	230
#FSLM2520-R68□=P2	0.68	J,K	30	25.2	0.52	320	200
#FSLM2520-R82□=P2	0.82	J,K	30	25.2	0.61	290	180
#FSLM2520-1R0□=P2	1.0	J,K	30	7.96	0.75	250	150
#FSLM2520-1R2□=P2	1.2	J,K	30	7.96	0.87	240	140
#FSLM2520-1R5□=P2	1.5	J,K	30	7.96	1.0	230	130
#FSLM2520-1R8□=P2	1.8	J,K	30	7.96	1.1	220	120
#FSLM2520-2R2□=P2	2.2	J,K	30	7.96	1.3	210	105
#FSLM2520-2R7□=P2	2.7	J,K	30	7.96	1.4	200	90
#FSLM2520-3R3□=P2	3.3	J,K	30	7.96	1.6	190	80
#FSLM2520-3R9□=P2	3.9	J,K	30	7.96	1.7	185	75
#FSLM2520-4R7□=P2	4.7	J,K	30	7.96	1.9	180	70
#FSLM2520-5R6□=P2	5.6	J,K	30	7.96	2.2	170	60
#FSLM2520-6R8□=P2	6.8	J,K	30	7.96	2.4	165	55
#FSLM2520-8R2□=P2	8.2	J,K	30	7.96	2.6	160	50
#FSLM2520-100□=P2	10.0	J,K	25	2.52	2.2	155	30
#FSLM2520-120□=P2	12.0	J,K	25	2.52	2.5	150	27
#FSLM2520-150□=P2	15.0	J,K	25	2.52	2.8	140	23
#FSLM2520-180□=P2	18.0	J,K	25	2.52	3.2	130	22
#FSLM2520-220□=P2	22.0	J,K	25	2.52	3.6	125	21
#FSLM2520-270□=P2	27.0	J,K	25	2.52	4.3	115	19
#FSLM2520-330□=P2	33.0	J,K	25	2.52	4.7	110	17
#FSLM2520-390□=P2	39.0	J,K	25	2.52	8.1	85	15
#FSLM2520-470□=P2	47.0	J,K	25	2.52	8.8	80	14
#FSLM2520-560□=P2	56.0	J,K	25	2.52	10.0	75	12.5
#FSLM2520-680□=P2	68.0	J,K	25	2.52	11.5	70	12
#FSLM2520-820□=P2	82.0	J,K	25	2.52	12.5	65	11
#FSLM2520-101□=P2	100.0	J,K	15	0.796	13.0	60	10
#FSLM2520-121□=P2	120.0	J,K	15	0.796	19.0	55	8
#FSLM2520-151□=P2	150.0	J,K	15	0.796	22.0	50	7.5
#FSLM2520-181□=P2	180.0	J,K	15	0.796	25.0	47	7
#FSLM2520-221□=P2	220.0	J,K	15	0.796	28.0	44	6.5

Add the tolerance of inductance to within the □ of the part Number as follows: J=±5%, K=±10%

□ 添加电感值公差至品号如J=±5%, K=±10%

※Note 注意事项

Operating frequency bands on a set of each article number is equal to or less than measurement frequency.

- (1) Inductance is measured with a LCR meter 4194A (*) or 4291A (*)
- (2) DC resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
- (3) Rated DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 20°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) 使用LCR仪表4194A (*)或者4291A (*)测试电感值。
- (2) 使用数字万用表TR6871 (Advantest)或者功能相同的工具测试直流电阻。
- (3) 额定电流是以下两者中比较小的一个: 电感值从最初值减少10%或者线圈温度升高20°C。(参考周围环境温度20°C)

* Agilent技术

* Agilent Technologies

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