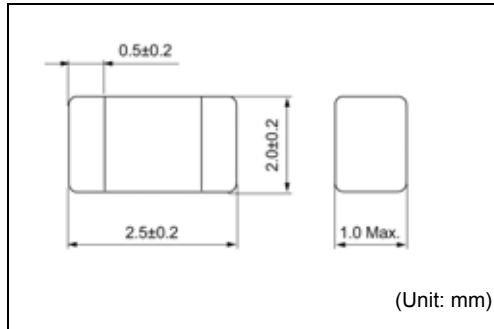
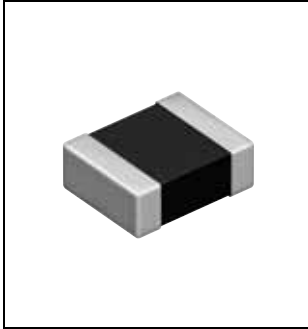
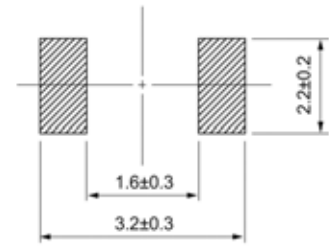


# MDT2520-CR



Recommended patterns  
推荐焊盘尺寸



## FEATURES 特点

- Miniature size: 2520 footprint (2.5mm × 2.0mm) and low profile (1.0mm Max. Height)
- Magnetically shielded
- Ideal for a variety of DC-DC converter Inductor application (DVC, DSC, Cellular phone, PDA)
- Operating temperature: -40~+85°C
- RoHS compliant
- 小型薄型 (2.5mm × 2.0mm、高度1.0mm max)
- 磁性屏蔽结构
- 是适用于 (DVC、DSC、Cellular phone、PDA) 各种设备的DC-DC转换器电感器的理想选择
- 工作温度范围：-40~+85°C
- 符合RoHS指令

## STANDARD PART NUMBERS 标准零件号

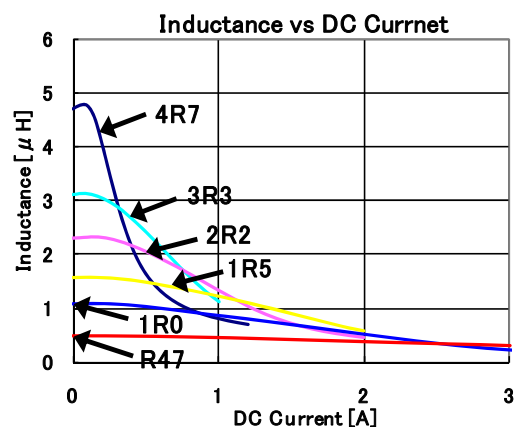
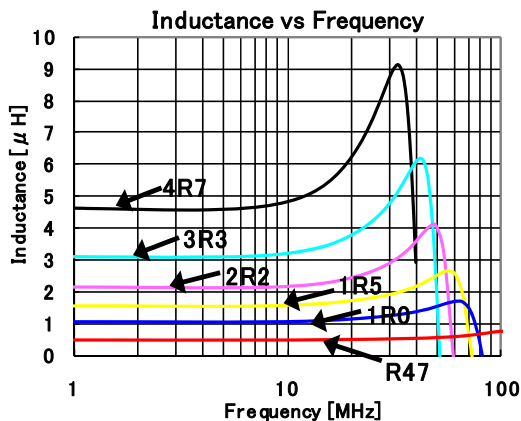
### TYPE MDT2520-CR, (Quantity/reel; 3,000 PCS)

零件号码	电感值 <sup>(1)</sup>	公差	直流电阻 <sup>(2)</sup>	温度上升电流 <sup>(3)</sup>
Part Number	Inductance <sup>(1)</sup> ( $\mu$ H) at 1MHz	Tolerance (%)	DC Resistance <sup>(2)</sup> (m $\Omega$ ) $\pm$ 30%	Temperature Rise Current <sup>(3)</sup> $\Delta T=40^\circ\text{C}$ (A) Max.
MDT2520-CRR47M	0.47	$\pm$ 20	53	2.65
MDT2520-CR1R0M	1.0	$\pm$ 20	60	2.50
MDT2520-CR1R5M	1.5	$\pm$ 20	80	2.20
MDT2520-CR2R2M	2.2	$\pm$ 20	90	2.10
MDT2520-CR3R3M	3.3	$\pm$ 20	100	2.00
MDT2520-CR4R7M	4.7	$\pm$ 20	120	1.85

- (1) Inductance is measured with a |Z| Analyzer 4291A/ B (Agilent Technologies) or equivalent. Test frequency at 1MHz, 0.5V  
 (2) DC Resistance is measured with a milliohmmeter 4338B (Agilent Technologies) or equivalent.  
 (3) Maximum allowable DC current is that causes coil temperature to rise by 40°C. (The ambient reference temperature: 20°C)

- (1) 电感值由阻抗分析器4291A/ B(Agilent技术)或等效物测试。测试频率为1MHz, 0.5V。  
 (2) 直流电阻由毫欧计4338B(Agilent技术)或等效物测试。  
 (3) 最大容许电流是通电情况下线圈温度上升达到40°C时的电流值。(环境温度: 20°C)

## EXAMPLES OF CHARACTERISTICS 特性范例



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[KHC201E225M76N0T00](#) [LRC-LRF1206LF-01R025FTR1K](#) [1812J1K00222JCT](#) [1812J2K00102KXT](#) [1812J2K00222KXT](#)  
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[CGA2B2C0G1H040C](#) [CGA2B2C0G1H050C](#) [CGA2B2C0G1H060D](#) [CGA2B2C0G1H070D](#) [CGA2B2C0G1H151J](#) [CGA2B2C0G1H1R5C](#)  
[CGA2B2C0G1H2R2C](#) [CGA2B2C0G1H3R3C](#) [CGA2B2C0G1H680J](#) [CGA2B2C0G1H6R8D](#) [CGA2B2X8R1H221K](#) [CGA2B2X8R1H472K](#)  
[CGA3E1X7R1C474K](#)