

**特性及应用**

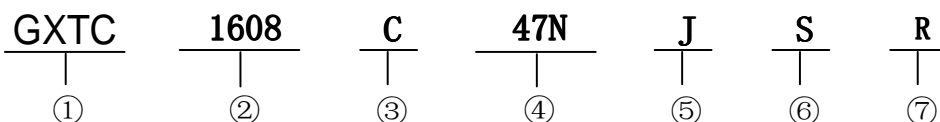
- 使用载带包装运用于SMT.
- 小尺寸，可表面贴装.
- 高Q值，高自谐频率.
- 高精度，高可靠性.
- 适用于回流焊SMT工艺.
- 无铅产品，符合ROHS指令.
- 陶瓷体高频绕线电感，用于通讯设备的高频线路.
- 广泛用于数字照相机，硬盘驱动器，液晶显示器，汽车电子，手机，无线电话和高频通信等小型化电器设备.

**FEATURES/APPLICATIONS**

- Carrier tape packing use for SMT.
- Small chip suitable for surface mounting.
- High Q value and high self-resonant frequency.
- High inductance tolerance and stable inductance at high frequency.
- Suitable for reflow SMT craft soldering
- Lead free products, ROHS compliant
- Use in high frequency circuit of telecommunication, equipment for high frequency ceramic wire wound inductors.
- Digital cameras/Hard-Disk drivers/LCD Monitor/Telecommunications/Car audio equipment and other small-sized general electronic appliances for ferrite wire wound inductors.

**产品标示**

**PRODUCT INDICATION**

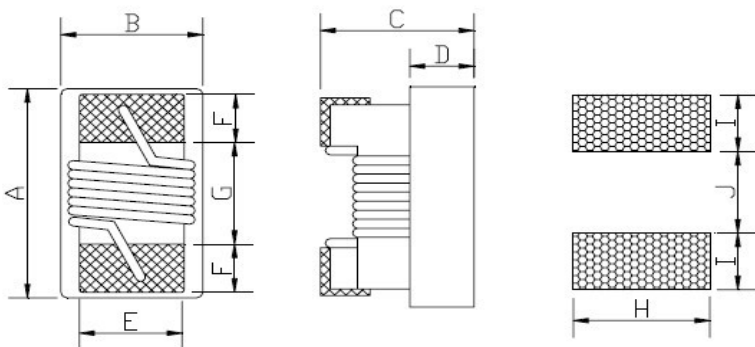
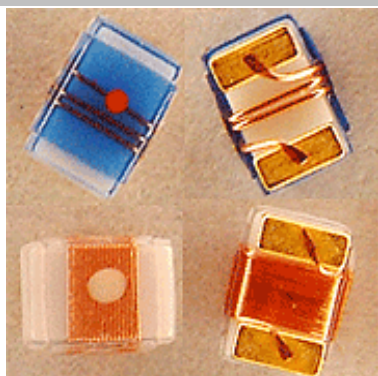


- ① 系列名称: GXTC
- ② 外形尺寸: 16表示长1.6mm, 08表示宽0.8mm.
- ③ 材料代号: C表示陶瓷体; F表示铁氧体.
- ④ 电气特性表示: 47N表示47nH.
- ⑤ 允许公差: J表示±5%; K表示±10%.
- ⑥ 电极材质: G标示金端头; S表示锡端头.
- ⑦ 包装方式: R表示载带包装; B表示散装.

- ① Series name: GXTC
- ② External dimensions: 16 for Length 1.6mm, 08 for Width 0.8mm.
- ③ Material code: C for ceramic; F for Ferrite.
- ④ Electrical code: 47N for 47nH.
- ⑤ Tolerance: J for ±5%, K for ±10%
- ⑥ Termination materials: G:Gold; S:Sn
- ⑦ Packing style: R for carrier tape reel; B for in bulk

**外形尺寸 (单位:mm)**

**SHAPE AND DIMENSIONS (unit:mm)**



型号 TYRE	A (Max)	B (Max)	H (Max)	D	E	F	G	N	J
GXTC1005 (0402)	1.00	0.68	0.55	0.20	0.20	0.60	0.80	0.40	0.54
GXTC1608 (0603)	1.60	1.00	0.97	0.38	0.33	0.86	1.50	0.60	0.64
GXTC2012 (0805)	2.20	1.45	1.45	0.51	0.50	1.03	1.78	1.02	0.76
GXTC2520 (1008)	2.60	2.50	2.12	0.80	0.50	1.43	2.80	1.02	1.27
GXTC3216 (1206)	3.56	2.16	1.52	0.60	0.51	2.03	2.50	1.02	1.78

电气性能 Electrical Characteristics TYPE:GXTC 1005C(0402)

Part NO. 产品编号	Inductance 电感 (nH)	Test freq 测试频率 (MHz)	Tolerance 公差 (%)	Q(Min) 品质因数	SRF (MHz) 自谐频率 (Min)	DC Resistance 直流电阻 ( $\Omega$ )Max	Rated Current 额定电流 (mA)Max
GXTC1005C-1N0	1.0	250	$\pm 10\%$	13.0	6000.0	0.0390	1000.0000
GXTC1005C-2N2	2.2	250	$\pm 10\%$	16.0	6000.0	0.0730	800.0000
GXTC1005C-2N4	2.4	250	$\pm 10\%$	16.0	6000.0	0.0730	840.0000
GXTC1005C-2N7	2.7	250	$\pm 10\%$	16.0	6000.0	0.0730	840.0000
GXTC1005C-3N6	3.6	250	$\pm 10\%$	16.0	6000.0	0.0920	840.0000
GXTC1005C-3N9	3.9	250	$\pm 10\%$	17.0	5800.0	0.1100	800.0000
GXTC1005C-4N3	4.3	250	$\pm 10\%$	18.0	5800.0	0.1100	800.0000
GXTC1005C-4N7	4.7	250	$\pm 10\%$	20.0	5800.0	0.1100	800.0000
GXTC1005C-5N1	5.1	250	$\pm 10\%$	21.0	5800.0	0.1100	800.0000
GXTC1005C-6N8	6.8	250	$\pm 10\%$	23.0	4400.0	0.1420	680.0000
GXTC1005C-7N5	7.5	150	$\pm 10\%$	24.0	4400.0	0.1420	680.0000
GXTC1005C-8N2	8.2	150	$\pm 10\%$	24.0	4400.0	0.1420	680.0000
GXTC1005C-9N1	9.1	150	$\pm 10\%$	24.0	4400.0	0.1420	680.0000
GXTC1005C-10N	10.0	150	$\pm 5\%$	25.0	3700.0	0.1770	600.0000
GXTC1005C-11N	11.0	150	$\pm 5\%$	25.0	3700.0	0.1770	600.0000
GXTC1005C-12N	12.0	150	$\pm 5\%$	25.0	3600.0	0.1770	600.0000
GXTC1005C-13N	13.0	150	$\pm 5\%$	26.0	3600.0	0.1770	560.0000
GXTC1005C-15N	15.0	150	$\pm 5\%$	26.0	3200.0	0.2080	560.0000
GXTC1005C-16N	16.0	150	$\pm 5\%$	26.0	3200.0	0.2080	480.0000
GXTC1005C-18N	18.0	150	$\pm 5\%$	26.0	3000.0	0.2450	480.0000
GXTC1005C-20N	20.0	150	$\pm 5\%$	26.0	3000.0	0.2450	375.0000
GXTC1005C-22N	22.0	150	$\pm 5\%$	26.0	2700.0	0.3620	375.0000
GXTC1005C-24N	24.0	150	$\pm 5\%$	26.0	2700.0	0.3620	375.0000
GXTC1005C-27N	27.0	150	$\pm 5\%$	26.0	2500.0	0.3620	320.0000
GXTC1005C-30N	30.0	150	$\pm 5\%$	26.0	2200.0	0.4080	320.0000
GXTC1005C-33N	33.0	150	$\pm 5\%$	26.0	2200.0	0.4080	310.0000
GXTC1005C-36N	36.0	150	$\pm 5\%$	26.0	2200.0	0.4580	310.0000
GXTC1005C-39N	39.0	150	$\pm 5\%$	26.0	2200.0	0.4580	300.0000
GXTC1005C-43N	43.0	150	$\pm 5\%$	26.0	2100.0	0.5020	260.0000
GXTC1005C-47N	47.0	150	$\pm 5\%$	26.0	2000.0	0.5460	260.0000
GXTC1005C-51N	51.0	150	$\pm 5\%$	26.0	2000.0	0.5460	200.0000
GXTC1005C-56N	56.0	150	$\pm 5\%$	26.0	1900.0	0.7610	190.0000
GXTC1005C-68N	68.0	150	$\pm 5\%$	26.0	1800.0	1.1600	180.0000
GXTC1005C-82N	82.0	150	$\pm 5\%$	26.0	1700.0	1.3300	160.0000
GXTC1005C-R10N	100.0	150	$\pm 5\%$	26.0	1300.0	1.8700	140.0000
GXTC1005C-R12N	120.0	150	$\pm 5\%$	26.0	1200.0	2.3500	140.0000

※ 超出以上规格的特殊要求也可满足。Special inquiries besides the above common used types can be meet.