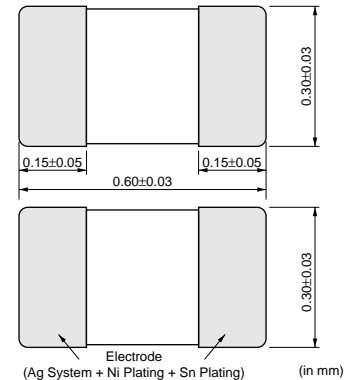


NTC Thermistors



for Temperature Compensation 0201 (0603) Size

0201/0402/0603/0805 sized Chip NTC Thermistors have Ni barrier termination and provide excellent solderability and offer high stability in environment by unique inner construction.



■ Features

1. Excellent solderability and high stability in environment
2. Excellent long time aging stability
3. High accuracy in resistance and B-Constant
4. Reflow soldering possible
5. Lead is not contained in the product.
6. NCP series is recognized by UL.
(UL1434, File No.E137188)

■ Applications

1. Temperature compensation for transistor, IC and crystal oscillator in mobile communications
2. Temperature sensor for rechargeable batteries
3. Temperature compensation of LCD
4. Temperature compensation and sensing in automobile entertainment such as CD, MD and Tuner
5. Temperature compensation in general use of electric circuits

Part Number	Resistance (25°C) (ohm)	B-Constant (25-50°C) (K)	B-Constant (25-80°C) (Reference Value) (K)	B-Constant (25-85°C) (Reference Value) (K)	B-Constant (25-100°C) (Reference Value) (K)	Permissive Operating Current (25°C) (mA)	Rated Electric Power (25°C) (mW)	Typical Dissipation Constant (25°C) (mW/°C)
NCP03YS110J05RL	11 ±5%	2750 ±3%	2758	2758	2758	9.50	100	1
NCP03YS220J05RL	22 ±5%	2750 ±3%	2758	2758	2758	6.70	100	1
NCP03YS330J05RL	33 ±5%	2750 ±3%	2758	2758	2758	5.50	100	1
NCP03YS470J05RL	47 ±5%	2750 ±3%	2758	2758	2758	4.60	100	1
NCP03YS680J05RL	68 ±5%	2750 ±3%	2758	2758	2758	3.80	100	1
NCP03YS101J05RL	100 ±5%	2750 ±3%	2758	2758	2758	3.10	100	1
NCP03XH682J05RL	6.8k ±5%	3380 ±3%	3428	3434	3455	0.38	100	1
NCP03XH103F05RL	10k ±1%	3380 ±1%	3428	3434	3455	0.31	100	1
NCP03XH103E05RL	10k ±3%	3380 ±1%	3428	3434	3455	0.31	100	1
NCP03XH103J05RL	10k ±5%	3380 ±1%	3428	3434	3455	0.31	100	1
NCP03XV103E05RL	10k ±3%	3900 ±1%	3930	3934	3944	0.31	100	1
NCP03XV103J05RL	10k ±5%	3900 ±1%	3930	3934	3944	0.31	100	1
NCP03XH153J05RL	15k ±5%	3380 ±3%	3428	3434	3455	0.25	100	1
NCP03XH223J05RL	22k ±5%	3380 ±3%	3428	3434	3455	0.21	100	1
NCP03WF333J05RL	33k ±5%	4250 ±3%	4303	4311	4334	0.17	100	1
NCP03WB473J05RL	47k ±5%	4050 ±3%	4101	4108	4131	0.14	100	1
NCP03WL473J05RL	47k ±5%	4485 ±3%	4537	4543	4557	0.14	100	1
NCP03WF683J05RL	68k ±5%	4250 ±3%	4303	4311	4334	0.12	100	1
NCP03WL683J05RL	68k ±5%	4485 ±3%	4537	4543	4557	0.12	100	1
NCP03WF104F05RL	100k ±1%	4250 ±1%	4303	4311	4334	0.10	100	1
NCP03WF104E05RL	100k ±3%	4250 ±1%	4303	4311	4334	0.10	100	1
NCP03WF104J05RL	100k ±5%	4250 ±1%	4303	4311	4334	0.10	100	1
NCP03WL104J05RL	100k ±5%	4485 ±3%	4537	4543	4557	0.10	100	1
NCP03WL154J05RL	150k ±5%	4485 ±3%	4537	4543	4557	0.08	100	1
NCP03WL224J05RL	220k ±5%	4485 ±3%	4537	4543	4557	0.06	100	1

Operating Temperature Range: -40°C to +125°C