

*Using breakthrough technology,
we aim for products that will create new markets.*

New Product News

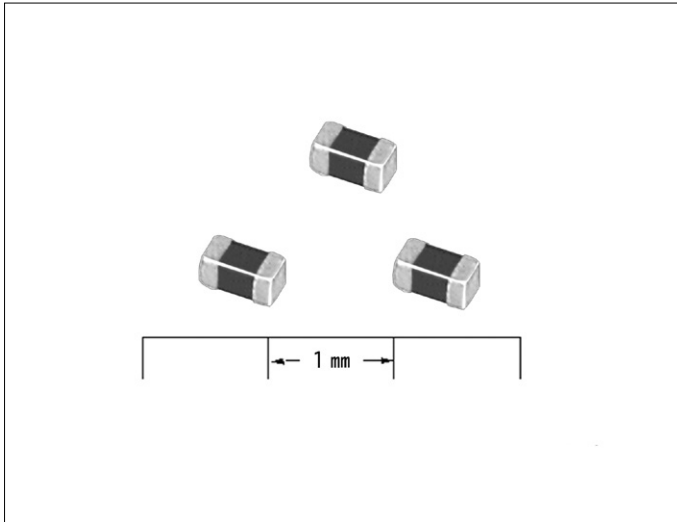
0603 Type, new minimum size in the industry

Temperature Sensors

Multilayer Chip NTC Thermistors (EIA "0201")

Industry/Field: Mobile communication, Information

For Super high density assembly to advanced small size equipment



• Development Target:

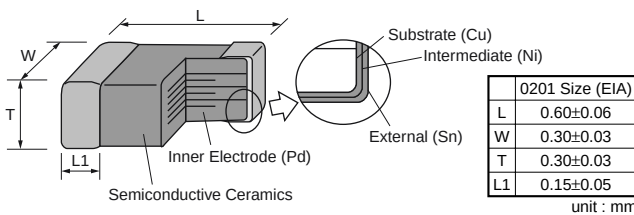
Contribution to various equipment required further miniaturization, super high density assembly such as modules for cellular phones (charging control for Battery Pack, Temperature compensation for TCXO)

• Features:

- ① Big reduction in mounting area thanks to miniaturization (0603→0201 Area : about 2/5)
- ② Wide lineup for various characteristic demands
- ③ High reliable mounting and durability thanks to original Lead free plating technology

• Number of industrial property rights: 19 (pending)
(2 registered)

• Construction:



• Characteristics/specifications:

Part No.	Zero-Power Resistance (at 25°C)	B Value B _{25/50}	Operating Temperature Range	Resistance to Soldering Heat
ERTJZEA****	30 to 150Ω	2750K±3%	-40 to 125°C	270±5°C
ERTJZET****	1.5 to 4.7kΩ	4500K±2%		3.0±0.5 sec.

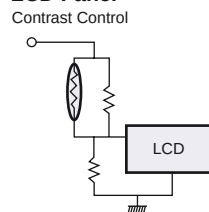
• Explanation of part numbers:

1	2	3	4	5	6	7	8	9	10	11	12
E	R	T	J	Z	E	T	1	5	2	H	
Product Code			Shape (0201)		Center B value	Zero-power Resistance (@25°C)		Tolerance of Resistance		Option	

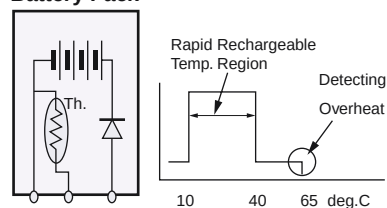
• Applications/usage examples:

- charging control for Battery Pack
- TCXO Temperature compensation

LCD Panel



Battery Pack



Crystal Oscillator

