

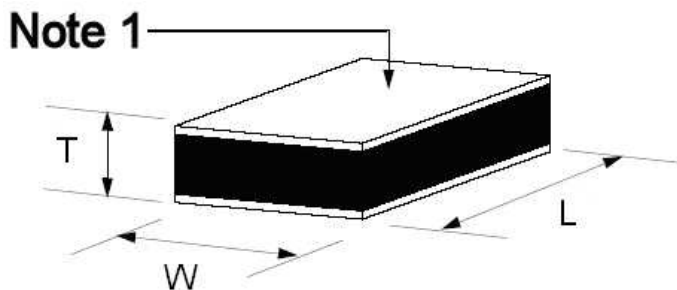


GOLD LEADLESS CHIP

SPECIFICATIONS

- 0.1K to 1M Ohms Resistance @25°C
- ± 5 and $\pm 10\%$ Tolerance
- Rapid Time Response
- Surface Mount Capability
- Supplied in “Gel” or “Waffle” Packs

Dimensions



Note 1: Gold Metalisation

GOLD LEADLESS CHIP

Gold terminated leadless NTC thermistors.

FEATURES

- 0.1K to 1M Ohms Resistance @25°C
- Supplied with $\pm 5\%$ and $\pm 10\%$ tolerance
- Higher precision tolerance available
- Surface mount capability
- Supplied in “gel” or “waffle” packs
- Square or rectangular configurations
- Temperature range -40°C to +125°C
- RoHS Compliant

APPLICATIONS

- WDM (Wavelength Division Multiplexing) for advanced frequency control in communications systems and wireless applications
- Thermopile sensors for thermal radiation recognition and infrared sensing
- Thermal protection of sensitive circuits
- Hybrid circuit temperature compensation
- Localized temperature sensing

Product Definition

Part Number +/-5% @ 25°C	Part Number +/-10% @ 25°C	Resistance @ 25°C (Ohms)	0/50°C Beta Value	Operating Temperature	Nominal Chip Dimensions (mm)			Nominal Chip Dimensions (inches)		
					L	W	T	L	W	T
					0.1K1CG3	0.1K1CG2	100	3108	-40° to +100°C	1.397
0.3K1CG3	0.3K1CG2	300	3108	-40° to +100°C	0.914	0.914	0.381	0.036	0.036	0.015
1K2CG3	1K2CG2	1000	3263	-40° to +100°C	0.762	0.762	0.381	0.03	0.03	0.015
1K7CG3	1K7CG2	1000	3422	-40° to +100°C	1.067	1.067	0.381	0.042	0.042	0.015
2.2K3CG3	2.2K3CG2	2252	3892	-40° to +125°C	1.905	1.905	0.254	0.075	0.075	0.01
3K3CG3	3K3CG2	3000	3892	-40° to +125°C	1.651	1.651	0.254	0.065	0.065	0.01
5K3CG3	5K3CG2	5000	3892	-40° to +125°C	1.397	1.397	0.305	0.055	0.055	0.012
10K3CG3	10K3CG2	10000	3892	-40° to +125°C	1.016	1.016	0.305	0.04	0.04	0.012
10K4CG3	10K4CG2	10000	3575	-40° to +125°C	1.143	1.143	0.254	0.045	0.045	0.01
30K5CG3	30K5CG2	30000	3811	-40° to +125°C	0.889	0.889	0.381	0.035	0.035	0.015
30K6CG3	30K6CG2	30000	4143	-40° to +125°C	1.397	1.397	0.305	0.055	0.055	0.012
50K6CG3	50K6CG2	50000	4143	-40° to +125°C	1.143	1.143	0.381	0.045	0.045	0.015
100K6CG3	100K6CG2	100000	4143	-40° to +125°C	0.889	0.889	0.381	0.035	0.035	0.015
1M9CG3	1M9CG2	1000000	4582	-40° to +125°C	0.889	0.889	0.254	0.035	0.035	0.01

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