

# High-Rel Gold Chip



- Excellent stability from MEAS ceramic.
- Flight heritage of over 20 years.
- Ease of mounting.
- Robust construction.
- Test data included in report.
- Non ITAR restrictive.
- Approved by Prime Contractors
- Operating temperature range: -55°C to + 125°C.

## DESCRIPTION

NTC Gold Chip Thermistor for spaceflight applications with a range of 100 ohms to 100,000 ohms.

## FEATURES

ESCC Detail Specification No. 4006xxx  
ESCC Part No. 4006xxx  
Range of 7 R/T curves  
Mounting by wave solder or adhesive.

## APPLICATIONS

Satellite camera systems.  
Satellite telecom systems.  
Temperature compensation.  
Control panel monitoring

## PERFORMANCE SPECS

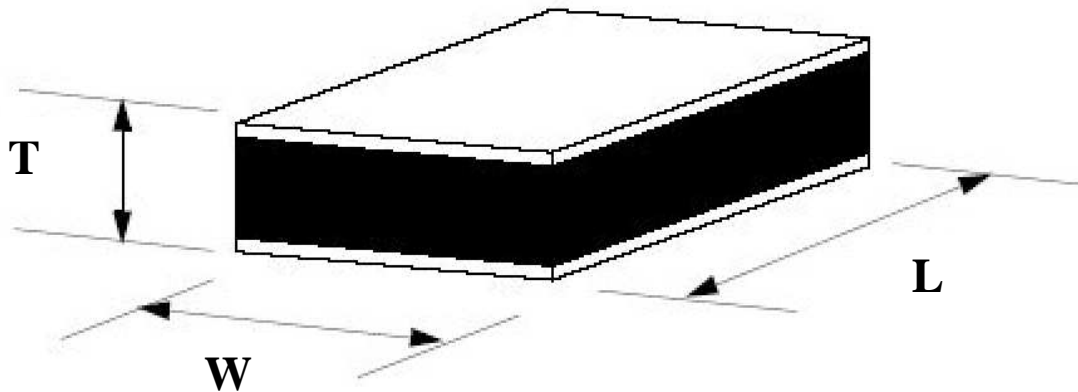
TEMPERATURE		-40°C	-20°C	.0°C	+.25°C	+.50°C	+.70°C	+.100°C	+.125°C
TOLERANCE ON NOMINAL RESISTANCE VALUES		± 15%	± 10%	± 7%	± 5%	± 7%	± 8%	± 10%	± 15%
VARIANT	PART NO.	NOMINAL RESISTANCE VALUES (Ω)							
01	0.1K1CG583	1,598	605	256	100	44.17	24.77	11.56	n/a
02	2.2K3CG479	75,593	21,839	7,353	2,252	810.94	394.47	152.83	76.75
03	3K3CG503	100,701	29,092	9,795	3,000	1,080.3	525.49	203.59	102.25
04	5K3CG517	167,835	48,487	16,325	5,000	1,800.49	875.81	339.32	170.41
05	10K3CG1269	335,671	96,974	32,651	10,000	3,601	1,751.6	678.63	340.82
06	10K4CG531	239,831	78,930	29,490	10,000	3,893	1,990	817.2	426.0
07	100K6CG629	4,067,212	1,106,485	351,017	100,000	33,598	15,502	5,574.3	2,642.4

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## MECHANICAL DETAILS

### PHYSICAL DIMENSIONS

VARIANT NO.	BASED ON TYPE	LENGTH/WIDTH		THICKNESS	
		NOMINAL (MM)	TOLERANCE	NOMINAL (MM)	TOLERANCE
01	0.1K1CG583	1.397	10%	0.203	20%
02	2.2K3CG479	1.905		0.254	10%
03	3K3CG503	1.651		0.254	
04	5K3CG517	1.143		0.305	
05	10K3CG1269	0.889		0.305	
06	10K4CG531	0.889		0.254	
07	100K6CG629	0.762		0.508	



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