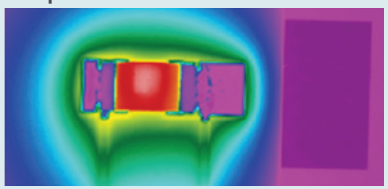
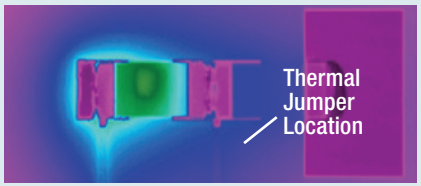
THERMAWICK™ THERMAL MANAGEMENT

ELECTRICALLY ISOLATED THERMAL CONDUCTOR

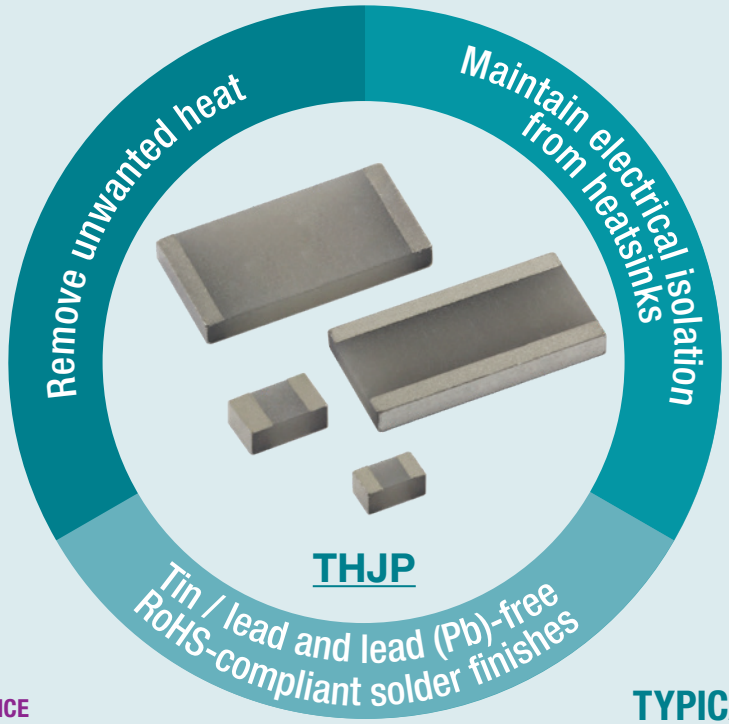
Example THJP1206 Thermal Jumper Showing 36 % Surface Temperature Reduction



Ceramic Resistor Chip Without Thermal Jumper (149.8 °C)



Ceramic Chip Resistor With Thermal Jumper (95.5 °C)



FEATURES

- Thin film surface-mount terminations
- High thermal conductivity
- High electrical insulation
- Low capacitance
- Long axis designs standard
- Custom sizes available

APPLICATIONS

- Power supplies and converters
- RF amplifiers
- Synthesizers
- Switch mode power supplies
- Pin and laser diodes
- Filters

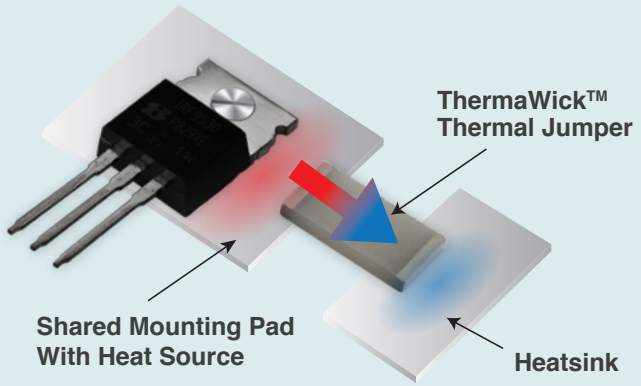
INDUSTRIAL TELECOM MILITARY

BENEFITS

THERMAL CONDUCTIVITY	ELECTRICAL ISOLATION	CAPACITANCE
170 W/mK	> 999 MΩ	0.26 pF

CASE SIZE	0603	0612	0805	1206	1225	2512
Thermal Resistance (°C/W)	14	4	13	15	4	15
Thermal Conductance (mW/°C)	70	259	77	65	259	65
Capacitance (pF)	0.07	0.26	0.15	0.07	0.26	0.07
Dielectric Withstanding Voltage kV_{AC}, RMS (60 Hz)	> 1.5	> 1.5	> 1.5	> 1.5	> 1.5	> 1.5

TYPICAL APPLICATION



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