



NTC THERMISTORS: THERMOFLAKE KITS

APPLICATIONS:

All of the Thermoflakes in our Kits are suitable for use in non-contact temperature measurement, flow measurement, gas chromatography, and general temperature measurement and control.

THERMOFLAKE KIT #1

COMPONENTS

- One .040" x .040" x .002" thick Thermoflake, mounted by its leads, which are .0007" diameter platinum alloy, on a standard T05 header (Assembly A500).

Resistance at 25°C = 1 megohm, ±40% tolerance.

- Three (3) unmounted .040" x .040" x .002" Thermoflakes with platinum alloy leads, in resistance ranges from 50k ohms to 1.5 megohms. These units are ready for mounting to your specific configuration.

Please note: Any of the mounted Thermoflakes are available with coated germanium filters.

THERMOFLAKE KIT #2

COMPONENTS

- One .040" x .040" x .002" thick Thermoflake, mounted by its leads, which are .001" diameter platinum alloy, on a standard T05 header (Assembly A500).

Resistance at 25°C = 200k ohms, ±40% tolerance.

- Three (3) unmounted .040" x .040" x .002" Thermoflakes with platinum alloy leads, in resistance ranges from 50k ohms to 1.5 megohms. These units are ready for mounting to your specific configuration.

Please note: Any of the mounted Thermoflakes are available with coated germanium filters.

THERMOFLAKE KIT #3

COMPONENTS

- One .040" x .040" x .002" thick Thermoflake, mounted by its leads, which are .0007" diameter platinum alloy, on a standard T05 header (Assembly A500).

Resistance at 25°C = 1 megohm, ±40% tolerance.

- One .040" x .040" x .002" thick Thermoflake, mounted by its leads, which are .001" diameter platinum alloy, on a standard T05 header (Assembly A500).

Resistance at 25°C = 200k ohms, ±40% tolerance.

- Three (3) unmounted .040" x .040" x .002" Thermoflakes with platinum alloy leads, in resistance ranges from 500k ohms to 1.5 megohms. These units are ready for mounting to your specific configuration.

Please note: Any of the mounted Thermoflakes are available with coated germanium filters.

THERMOFLAKE KIT #4

COMPONENTS

- Two .040" x .040" x .002" thick Thermoflake, mounted by .001" platinum alloy leads, *side by side*, on a standard TO5 header (Assembly A505). The flakes have a resistance at 25°C of 200k ohms and are ratio matched to 0.5% ($R_{0^\circ\text{C}}/R_{50^\circ\text{C}}$) and resistance matched to 10% at $R_{25^\circ\text{C}}$. This matched set provides temperature compensation for the "sensor" thermistor over the operating range.
- Three (3) unmounted .040" x .040" x .002" Thermoflakes with platinum alloy leads, in resistance ranges from 50k ohms to 1.5 megohms. These units are ready for mounting to your specific configuration.

Please note: Any of the mounted Thermoflakes are available with coated germanium filters.

THERMOFLAKE KIT #5

COMPONENTS

- Two .040" x .040" x .002" thick Thermoflake, mounted by .001" diameter platinum alloy leads, *one above the other*, centered, on a standard TO5 header (Assembly A502). The flakes have a resistance at 25°C of 200k ohms and are ratio matched to 0.5% ($R_{0^\circ\text{C}}/R_{50^\circ\text{C}}$) and resistance matched to 10% at $R_{25^\circ\text{C}}$. This configuration provides automatic radiation shielding for the reference (compensating) thermistor and temperature compensation for the "sensor" thermistor over the operating range.
- Three (3) unmounted .040" x .040" x .002" Thermoflakes with platinum alloy leads, in resistance ranges from 50k ohms to 1.5 megohms. These units are ready for mounting to your specific configuration.

Please note: Any of the mounted Thermoflakes are available with coated germanium filters.

THERMOFLAKE KIT #6

COMPONENTS

- Two .040" x .040" x .002" thick Thermoflakes, mounted by .001" platinum alloy leads, *side by side*, on a standard TO5 header (Assembly A505). The flakes have a resistance at 25°C of 200k ohms and are ratio matched to 0.5% ($R_{0^\circ\text{C}}/R_{50^\circ\text{C}}$) and resistance matched to 10% at $R_{25^\circ\text{C}}$.
- Two flakes, as above, mounted *one above the other* and centered, on a standard TO5 header (Assembly A502). These matched sets provide temperature compensation for the "sensor" thermistor over the operating range.
- Three (3) unmounted .040" x .040" x .002" Thermoflakes with platinum alloy leads, in resistance ranges from 50k ohms to 1.5 megohms. These units are ready for mounting to your specific configuration.

Please note: Any of the mounted Thermoflakes are available with coated germanium filters.