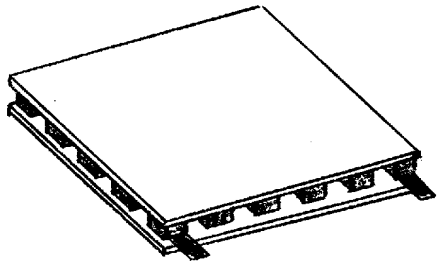
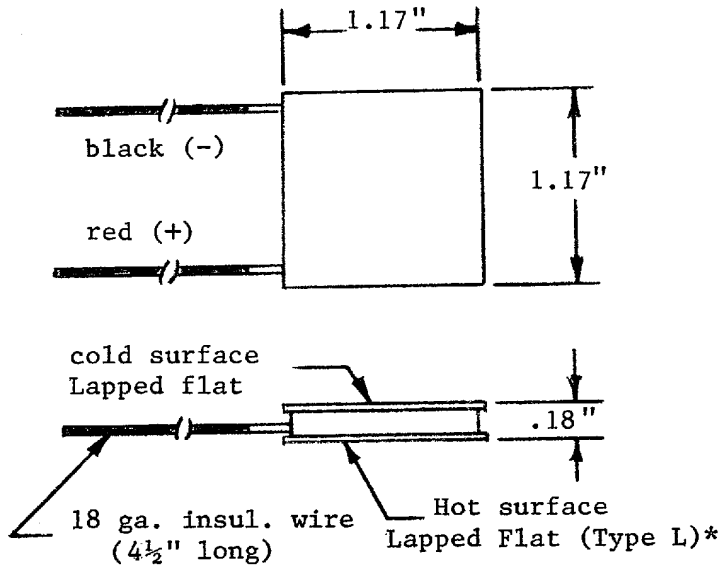
MELCOR
Materials Electronic Products Corporation

CP2-31-06L





Available in 3, 7, 11, and 15 thermocouple sizes. Refer to Module Specification Tables for performance and dimensional data.

*Hot surface also available Metallized & tinned (Type TL)

APPLICATION:

A low cost, moderate capacity general purpose module, suitable for small refrigerators, water coolers, laboratory apparatus, etc.

DESCRIPTION:

A low current, solderable, ceramic insulated thermoelectric module. Each module contains 31 couples, each element .06" in length and 2.0 mm square in cross section. Thermoelectric material is a quaternary alloy of bismuth, tellurium, selenium, and antimony with small amounts of suitable dopents, carefully processed to produce an oriented polycrystalline ingot with superior anisotropic thermoelectric properties. Metallized ceramic plates afford maximum electrical insulation and thermal conduction.

PERFORMANCE AND ELECTRICAL CHARACTERISTICS:

See graphs on reverse side.

OPERATING TEMPERATURE RANGE:

-150°C to +80°C

MECHANICAL CHARACTERISTICS:

Design stresses: 400 lbs tensile, 500 lbs compression, 250 lbs shear. Properly mounted, will normally meet rigid shock and vibration requirements.