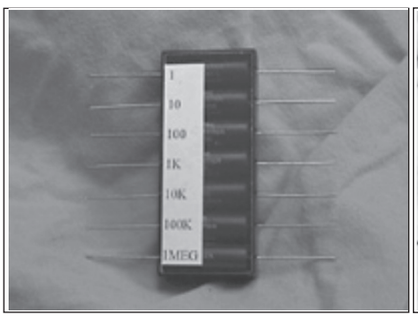
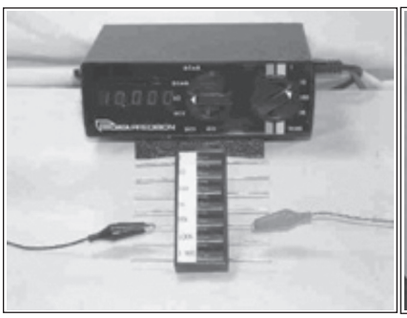
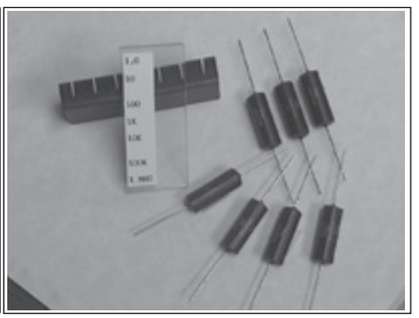
DIGITAL MULTIMETER CALIBRATOR

The MC-7 Digital Multimeter Calibrator is a packaged group of seven (7) High-Precision resistors part # HR3716N, with ohmic values ranging from 1.0Ω to 1Megohm - used in the verification and adjustment of the resistance function of 3½ and 4½ digital multimeters. To your advantage, the MC-7 is always in-stock … ready for delivery.







FOR YOUR CONVENIENCE

The seven (7) resistors are contained in a plastic case with the leads extending through the sides - ready to go to work.

ENGINEERING DATA:

STABILITY

To ±0.001% / yr. @ 25°C. (with no load).

POWER VS. AMBIENT TEMP.

All Ultra resistors are designed for full load based upon ±1% res. tol. - providing the ambient temp. - plus the temp. rise due to self-heating does not exceed +125°C. Derated to zero power at +145°C. see Fig. 1.

THERMAL EMF VS.COPPER TERMINALS

< ±3 microvolts per degree C.

PROTECTIVE SEAL

Stress free base coat and epoxy case. Solder heat and solvent resistant.

INDUCTANCE

Non-inductive balanced reverse pi windings are standard on HR and RX. Special on HVS & HVA.

MARKING (Identification)

PRC symbol, type, value and tolerance.

VALUES & TOLERANCES

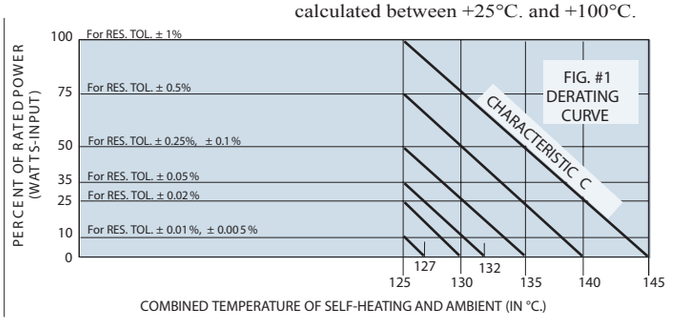
1Ω	0.02%
10Ω	0.02%
100Ω	0.01%
1KΩ	0.01%
10KΩ	0.01%
100KΩ	0.01%
1MEGΩ	0.01%

HR3716N PHYSICAL SPECS:

Length ..... 25.40mm (1.00")
Diameter ..... 9.53mm (.375")
Leads ..... 0.032" dai X 1.0" long
Max Power.... 1.0 Watt @ 1% Tolerance
Max Voltage..... 600 Volts

TCR CHARACTERISTIC

Standard: 0±5ppm/°C (100Ω and above); 0±15ppm/°C. (values below 100Ω) - calculated between +25°C. and +100°C.



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