



SPECIAL FEATURES OF INTRON RADIAL RESISTORS

- **THE PRECISION PLANAR THIN FILM RESISTOR**
The INTRON resistor has been designed for high precision and high stability and is far superior to the axial resistor.
- **CAPLESS CONSTRUCTION:** Termination of INTRON resistors is robust with the leads being mechanically attached to the snapstrate and then soldered. This reliable interconnection eliminates the end caps, which are one of the major causes of axial film resistor failures. The leads are made of oxygen free high conductivity tin coated copper wire.
- **INBUILT FEATURES:** The resistor element is a NiCr film deposited under vacuum conditions on a high purity ceramic substrate. The resistor trace is then formed together with the terminal pads by means of photolithography and selective etching. A large number of resistor elements are produced simultaneously on a 2" X 2" substrate. The "mother" substrate is then cut up into chips and leads connected to the terminal pads. Using micro trimmers, the resistor is trimmed to the required value and tolerance by removing parallel tracts from special areas incorporated in the image pattern. Thus NO HOT SPOTS are created as in the case of spirally cut resistors.
- **LOW TOLERANCE AND TCR:** The INTRON resistors are manufactured from the substrates which have tcr of less than 10 ppm and when tcr of upto 5 ppm is to be given the batches are chosen with tcr less than 5ppm. The resistors are trimmed to the required tolerance of 0.1% and then epoxy coated by the fluidised bed-coating machine. Thus an INTRON resistor is born with its low tolerance and low tcr and not selected out of millions of low grade resistors.
- **VALUE & QTY:** Our process is very much controlled and so we can supply you with any odd value, with any tolerance and tcr and quantities as low as 10 Nos. per value.
