



## "Z" FOIL

### WHAT IS IT?

**"Z" foil** is the third generation of Bulk Metal<sup>®</sup> foils created by **Vishay Precision Group** for ultra precise resistor applications. It is available from Texas Components Corporation in any resistance value you may need from 0R3 ohms to 600K ohms, and in tolerances from 0.005% to 1.0%.

### TEMPERATURE COEFFICIENT

**"Z" foil** presents a tenfold improvement in the TCR of Bulk Metal<sup>®</sup> foil resistors, typically  $\pm 0.2$  ppm/ $^{\circ}\text{C}$  from  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ . Maximum TCR is  $\pm 0.2 \pm 0.6$ , ppm/ $^{\circ}\text{C}$  from  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ , for resistance values  $\geq 100$  ohms. From  $0^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  the typical TCR is  $\pm 0.05$  ppm/ $^{\circ}\text{C}$ . **"Z" foil** is the closest thing yet to **zero** TCR in a resistor.

### POWER COEFFICIENT

**"Z" foil** presents an inordinately low power coefficient of resistance (PCR) of  $\pm 5$  ppm  $\Delta R$  maximum at rated power from  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ , making it a superior material for current sensing applications.

### HOW CAN I GET IT

**"Z" foil** is available now in all the familiar physical forms of Bulk Metal<sup>®</sup> foil resistors. Just tell us you want **"Z" foil** when ordering or inquiring.

**You can e-mail your inquiry by selecting the "e-mail" button on the prior page.**