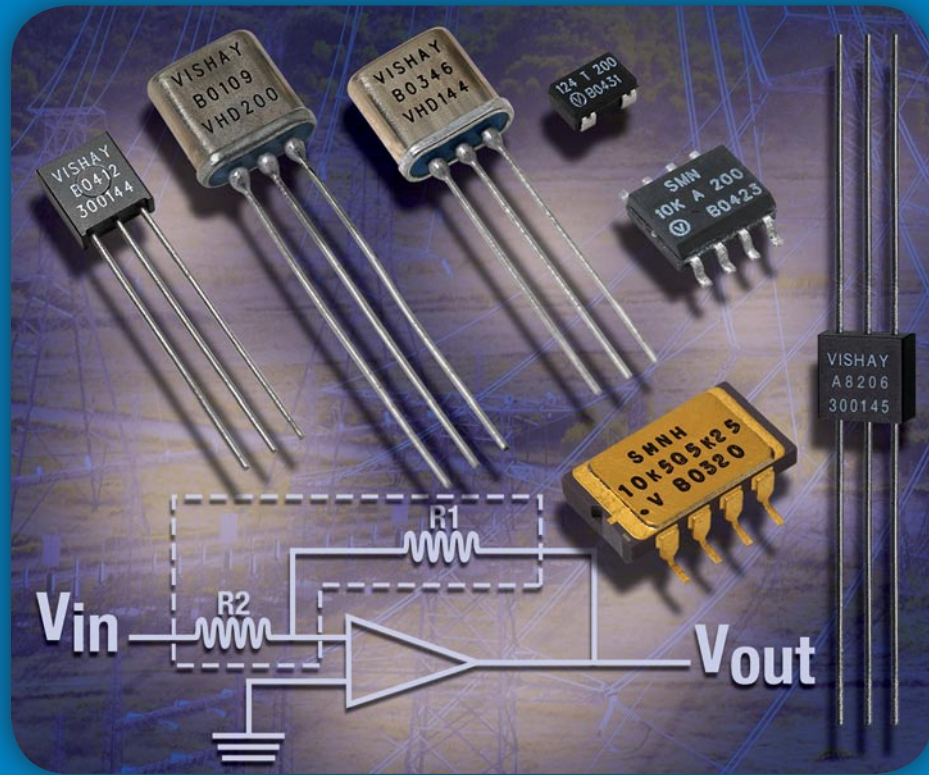




BULK METAL® FOIL RESISTORS

Voltage Dividers



- Very low Temperature Coefficient of Resistance (TCR):
Absolute: ± 1 ppm/°C; tracking: ± 0.1 ppm/°C
- Large variety of resistance ratios
- Tight absolute tolerance: $\pm 0.005\%$
- Very tight ratio match: $\pm 0.001\%$ (10 ppm)
- Excellent ratio stability: $< \pm 0.001\%$ (10 ppm)
- Rated power up to 0.4 W at 70 °C
- Low thermal EMF: 0.05 $\mu\text{V}/^\circ\text{C}$ typical
- Low current noise: -40db
- Applications: military, medical, test equipment, instrumentation amplifiers, laboratory, audio, EB applications, bridge networks, differential amplifiers

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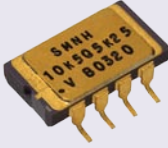
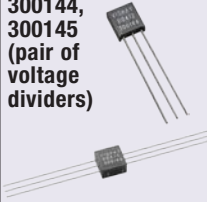
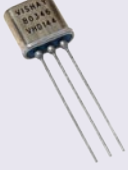

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BULK METAL® FOIL RESISTORS

Voltage Dividers

MODEL	Product Description	Resistance Range (Ω)	Resistance Ratio Available	Resistance Tolerance		TCR (ppm/°C)	Rated Power (W)
				Absolute Available To	Ratio Match Available To		
SURFACE MOUNT							
DSM 	High precision surface mount molded voltage divider	100 Ω to 20 KΩ per resistor Large variety of resistance ratios	Any ohmic value ratio	± 0.02%	0.01%	Absolute: ± 2 ppm/°C Tracking: 1 ppm/°C	Entire Package 0.1 W Each Resistor 0.05 W at 70 °C
SMN 	4 resistor high precision SM network voltage divider dual-in-line molded package 50 mil pitch	100 Ω to 20 KΩ per resistor Large variety of resistance ratios	Any ohmic value ratio	± 0.02%	0.01%	Absolute: ± 2 ppm/°C Tracking: 1 ppm/°C	Entire Package 0.4 W Each Resistor 0.1 W at 70 °C
SMNH1, 2 * 	High precision hermetic sealed 4 resistors SM voltage divider network	5 Ω to 33 KΩ per resistor Large variety of resistance ratios	Any ohmic value ratio	0.005%	0.005%	Absolute : ± 2 ppm/°C Tracking: 0.5 ppm/°C	Entire Package 0.4 W Each Resistor 0.1 W at 70 °C
THROUGH HOLE							
300144, 300145 (pair of voltage dividers) 	Small package molded voltage dividers	Any Value 100 Ω to 20 KΩ per side	Any ohmic value ratio	± 0.005%	0.005%	Absolute: ± 2 ppm/°C Tracking: 0.5 ppm/°C	0.2 W @ + 85 °C (per voltage divider)
VHD144* 	Hermetic versions of the molded divider 300144	Any value from 100 Ω to 20 KΩ per side	Any ohmic value ratio	± 0.005%	0.005%	Absolute: ± 2 ppm/°C Tracking: 0.5 ppm/°C	0.2 W @ + 85 °C
VHD200* 	Hermetic sealed oil filled voltage divider ultimate ratio match and TC tracking limit	Any value from 100 Ω to 20 KΩ per side	Any ohmic value ratio	± 0.005%	0.001%	Absolute: ± 2 ppm/°C Tracking: 0.1 ppm/°C	0.2 W @ + 85 °C

(*) Shelf life stability: 5 ppm/year for each resistor.
 Shelf life Δ ratio: 2 ppm/year for each resistor.
 (-) For tighter performances, please contact us.

VMN-SG2060-0502