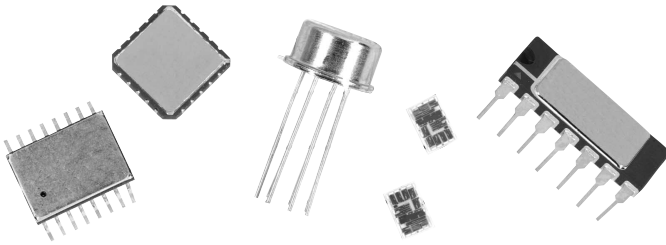


Custom, Low Impedance Voltage Dividers



FEATURES

- Outstanding Stability
- Low Impedance Voltage Dividers
- Can Operate at High Temperatures
- Available in Many Package Configurations

Due to the outstanding stability of ULTRAFILM[®] resistors and to a specific know how in the field of computer aided design, we are able to produce ultraprecision low impedance voltage dividers.

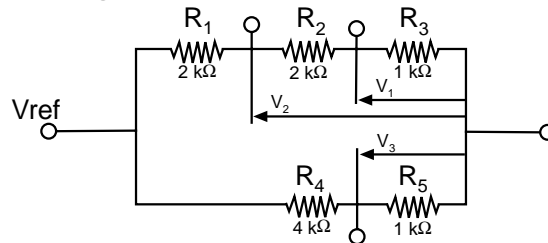
They are available in chip form or hermetic packages. They can operate at temperatures as high as + 200°C.

SCHEMATICS

V_n/V_{ref} ratios are specified as follows:

Ratio accuracy: 300ppm in the range - 55°C to + 150°C

Ratio stability: 100ppm after 1000 hrs. @ + 125°C



TYPICAL PERFORMANCE

▲	ABS	TRACKING
	TCR	-
TOL	ABS	RATIO
	100	-

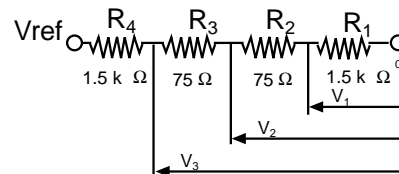
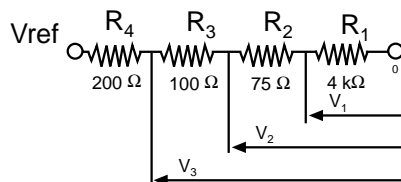
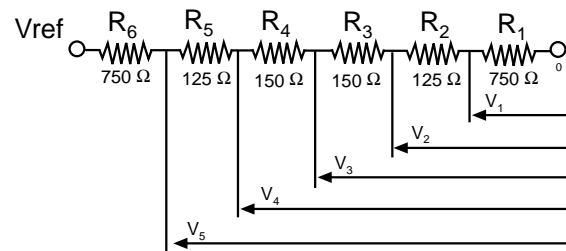
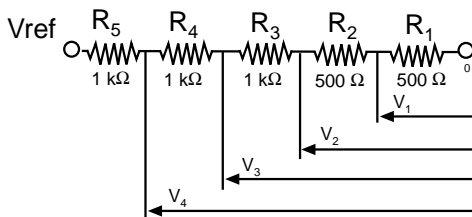
THROUGH HOLE

For these four networks the ratios V_n/V_{ref} are specified as follows:

Tolerance at + 25°C: < 100ppm

Tolerance in the range - 25°C, + 180°C: < 200ppm

Tolerance at + 25°C after 400 hrs. at + 185°C < 200ppm





THROUGH HOLE

STANDARD ELECTRICAL SPECIFICATIONS		
TEST	SPECIFICATIONS	CONDITIONS
MATERIAL	ULTRAFILM®	
Absolute Tolerance:	< 100ppm	+ 25°C
	< 200ppm	- 25°C, + 180°C
Stability: ΔR Ratio	100ppm after 1000 hrs. at + 125°C	
Operating Temperature Range	- 55°C to + 180°C (with voltage ratio reversible drifts less than 100ppm)	
Noise	< - 35dB typical	
Shelf Life Stability	Voltage ratio drifts less than 100ppm after 1000 hrs.	at + 155°C

MECHANICAL SPECIFICATIONS	
Resistive Element	Nichrome
Substrate Material	Al ₂ O ₃ or Si
Passivation	Silicon nitride
Bonding Pads	Al
Packages	Hermetic side braze or LCC or SO

How to Order

Consult Factory for ordering information