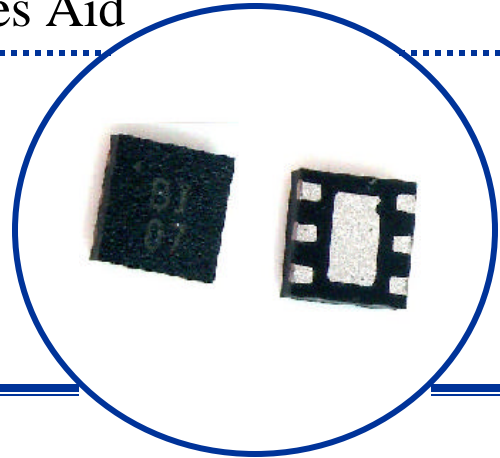


Nichrome (NiCr) on Ceramic or Silicon substrates, Sales Aid

Precision Thin Film Resistor Networks

Nominal Values: 10 ohms to 1 Mega-ohms

Jedec Standard Packages



Features and Benefits

Features	Benefits	Ceramic	Silicon
Nickel Chromium (NiCr) Film	Superior resistor properties	x	x
Passivated resistors	Proven moisture protection	x	x
Substrate size	High and low volume production	50 mm	150 mm
Gold bond pads	mono-metallic bonding	x	x
Multiple sheet resistance values	Optimal resistor design	25 to 200 ohms/sq	25 to 200 ohms/sq
Fine line capability	High resistance packing density	12.5 um	5 um
E96 standard resistance values	Wide range of resistor values	x	x
Standard circuit schematics	Isolate, bussed, ladder networks, voltage dividers	x	x
Custom network designs	Customer specific networks	x	x
Tight resistor tolerances	Precision resistors	+/-0.05%	+/-0.1%
Tight resistor ratio tolerances	Excellent resistor tracking within network	+/-0.01%	+/-0.05%
Low TCR values	Excellent performance over military temperature range	+/- 25 ppm/C	+/- 25 ppm/C
Low TCR tracking values	Resistors within a network track over military temperature range	+/- 5 ppm/C	+/- 5 ppm/C
Molded plastic packages	Most Jedec packages available	QSOP, SOIC, PDIP	QSOP, SOIC, PDIP, SOT23, SON (QFN)
Matte Tin lead finish, molded packages	RoHs compliant	x	x
Ball Grid Array packaging	Small package foot print	x	
Wire Bondable Chips	Integration into customer hybrid microcircuits		x
Hybrid Substrates	Motherboards or daughter boards for customer hybrid microcircuits	x	
Standard Series	Standard and Custom product available	66x, 688, 69x, NQS	Sxx

General Note

BI Technologies reserves the right to make changes in product specification without notice or liability. All information is subject to BI's own data and is considered accurate at the time of publishing.

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Nichrome (NiCr) on silicon Sales Aid



Applications

- Instrumentation Amplifiers
 - Precision Voltage Dividers
 - Measurement Bridge Circuitry
 - Low Noise Circuitry
 - Converter Applications
 - Precision analog circuits
 - Ladder networks
 - Pull up or down line termination
 - Stable reference
-

Our Customer's Products



Airbus A320 family of jetliners



ATL / Phillips
HDI 5000
Ultrasound equipment

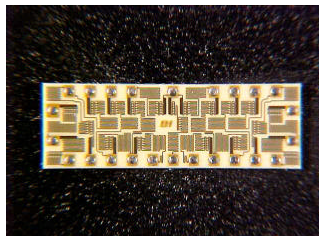


National Instruments
SCXI Signal conditioning

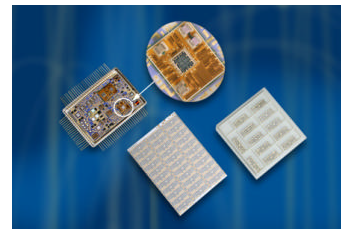
Package Styles



Plastic molded resistor
networks



BGA thin film resistor
networks



Wire bondable chips
and motherboards

Contact BI Technologies

For assistance with your application, network pricing and delivery information contact BI Technologies product Marketing at (714) 447-2345, by fax (714) 388-0046, by email: sales@bitechologies.com
