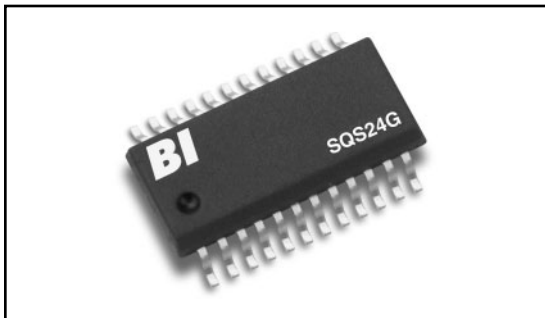


NICHROME ON SILICON

GTL Termination Circuit

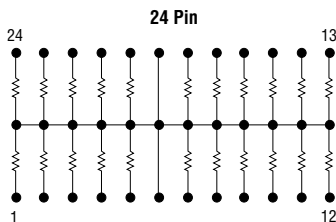
Thin Film Resistor Networks

NEW PRODUCT



SCHEMATIC

GTL (Gunning Transceiver Logic)
Termination Network



4

ELECTRICAL

Standard Resistance Range, Ohms	22 to 100
Operating Temperature Range	-55°C to +125°C
Interlead Capacitance	<2pF
Insulation Resistance	≥10,000 Megohms
Maximum Operating Voltage	100Vdc or √PR
Noise, Maximum (MIL-STD-202, Method 308)	-25dB

ENVIRONMENTAL

Thermal Shock plus Power Conditioning, Maximum	ΔR 0.1%
Short Time Overload, Maximum	ΔR 0.1%
Terminal Strength	ΔR 0.1%
Moisture Resistance, Maximum	ΔR 0.1%
Mechanical Shock, Maximum	ΔR 0.1%
Vibration, Maximum	ΔR 0.1%
Low Temperature Storage	ΔR 0.05%
High Temperature Exposure, Maximum	ΔR 0.1%
Resistance to Solder Heat, Maximum	ΔR 0.1%
Marking Permanency	per MIL-STD-202, Method 215
Flammability	UL-94V-0 Rated
Storage Temperature Range	-55°C to +125°C

Specifications subject to change without notice.

MECHANICAL

Lead Plating	80/20 Tin Lead
Lead Material	Copper Alloy
Lead Configuration	Gull Wing
Lead Coplanarity	0.004" (0.102mm)
Substrate Material	Silicon
Resistor Material	Passivated Nichrome
Body Material	Molded Epoxy

TOLERANCES

Accuracy Code	F	G	J
Absolute Resistance Tolerances at 25°C	1.0%	2.0%	5.0%
Ratio Tolerances at 25°C	1.0%	N/A	N/A
Temperature Coefficient of Resistance			±25ppm/°C
Temperature Coefficient of Resistance, Tracking			±5ppm/°C

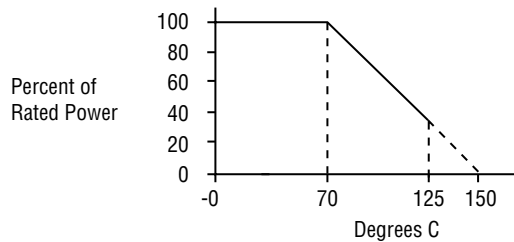
PACKAGE POWER, WATTS @ 70°C, MAX.

QSOP 24

1.0

Power per resistor @ 70°C, Max. is 100mW, not to exceed package power.

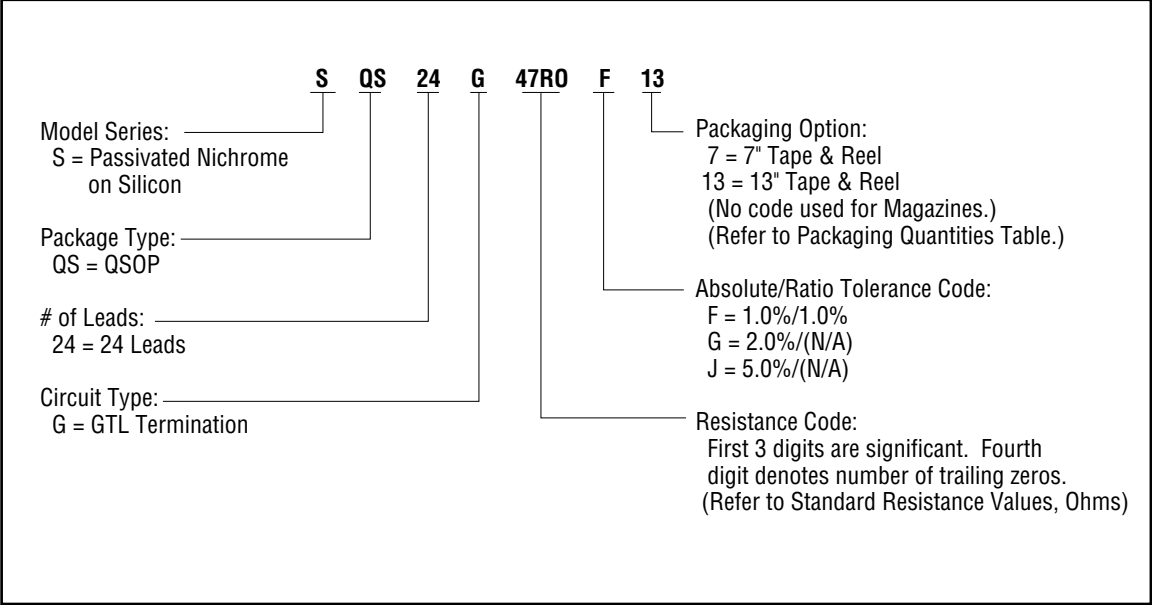
POWER DERATING CURVE



OUTLINE DIMENSIONS

Refer to standard package Outline Dimensions at the end of the Model NiCr on Si section.

ORDERING INFORMATION



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CUSTOM SOLUTIONS

Networks designed to meet your specific electrical and packaging requirements are available. Please contact the factory for technical assistance, price and availability.