Temperature Variable Chip Attenuators

TCAF N09 Series: DC-12GHz

Designed to vary -.009dB/dB/°C to compensate

for temperature induced system gain variation

without requiring a bias or control voltage.

These surface mount attenuators consist of

laser trimmed thick film resistor elements on an

alumina ceramic substrate with a protective paint

layer and are available in various metallization

styles and plating options.



- 12GHz operation
- 2 thru 5 dB values (initially)
- Reduced attenuation at higher temperatures
- · Solderable terminals
- SN62, SN96, Gold terminals available
- · RoHS compliant
- · Design kits available

GENERAL SPECIFICATIONS

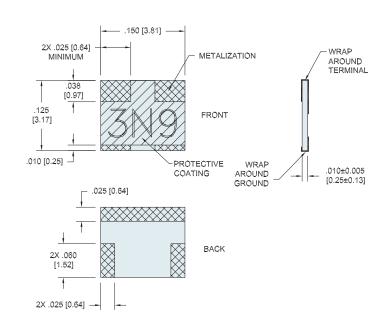
Resistive Element: Proprietary Thick Film

Substrate: Alumina

Terminal Finish: Electroplated Silver over Nickel
Temp Coefficient of Attenuation: -.009 dB/dB/°C
Temp Coefficient Tolerance: .001 dB/dB/°C
Operating Temperature Range: -55°C to +150°C

Rated Power¹: 2 W average





ELECTRICAL SPECIFICATIONS

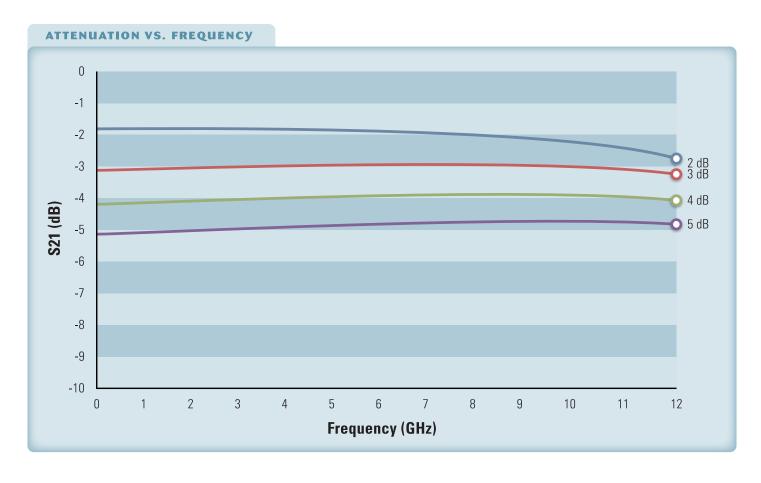
Model Number	dB Value	Attenuation Accuracy ² (dB)		Max VSWR	
		DC-8GHz	8-12GHz	DC-8GHz	8-12GHz
TCAF-2-N09	2	±0.5	±0.75	1.35:1	1.50:1
TCAF-3-N09	3	±0.5	±0.75	1.35:1	1.50:1
TCAF-4-N09	4	±0.5	±0.75	1.35:1	1.50:1
TCAF-5-N09	5	±0.5	±0.75	1.35:1	1.50:1

'Assumes 100° C mounting temperature derated linearly to 0 Watts at 150° C ²Performance is based on device mounted in matched 50Ω line.

A passion for performance.

Temperature Variable Chip Attenuators TCAF NO9 Series: DC-12GHz









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