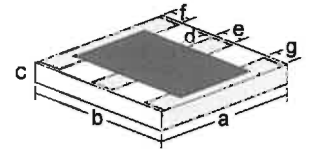


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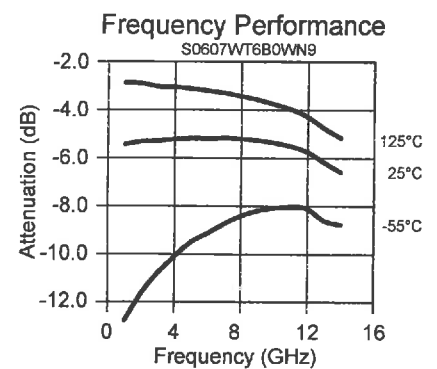
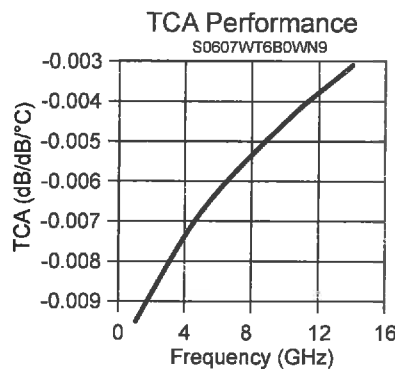
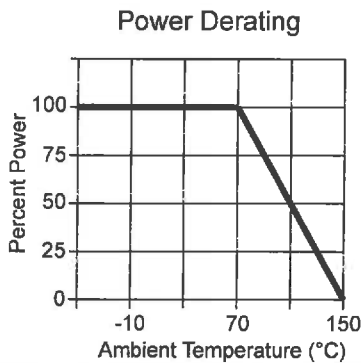
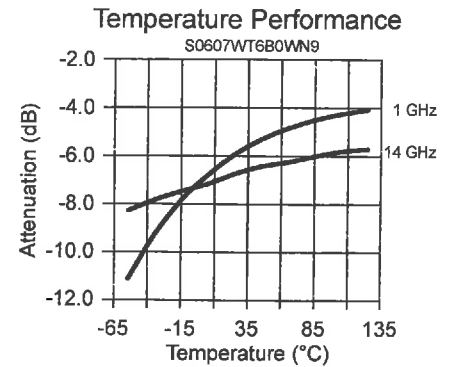
Temperature Variable Attenuator

0607 Wire Bondable Dual Wrap to Metal Back



Performance

Frequency Range	DC - 14 GHz
Attenuation Factor	1, 2, 3, 4, 5, 6 dB
Attenuation Accuracy @ 25°C	±0.5 dB @ 1 GHz
Temperature Coefficient (TCA)	-0.003 to -0.009 dB/dB/°C @ 2 GHz
TCA Accuracy	±0.001 dB/dB/°C @ 2 GHz
Impedance	50 Ω nominal
VSWR	1.1:1 maximum @ 1 GHz
Power Rating	125 mW
Operating Range	-55 to 150°C



Part Number

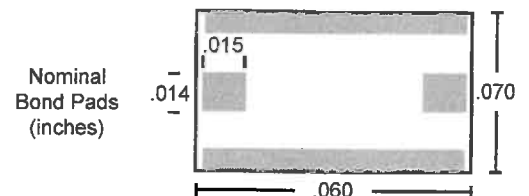
S0607WT3B0WN7 -W

Packaging: -TR: Tape & Reel -W: Waffle Tray
Temperature Coefficient: N: Negative Slope 3: 0.003 7: 0.007 9: 0.009 dB/dB/°C
Termination Finish: W: Wire Bondable Gold
Value Code: Three or four digit code attenuation value with B indicating the decimal. Exampis: 3B0 = 3 dB
Product Type: T: Temperature Variable Attenuator on Alumina
Termination Type: W: Top surface input/output with dual wrap to metal back
Case Size Code: 0607 is nominally 0.060" x 0.070"
Grade: S: Standard Grade H: High Reliability Grade

Mechanical

	Inches	Millimeters
Length (a)	.060(.055 - .065)	1.52(1.40 - 1.65)
Width (b)	.070(.065 - .075)	1.68(1.65 - 1.91)
Thickness (c)	.018(.015 - .023)	0.46(0.38 - 0.58)
I/O Length (d)	.015(.010 - .020)	0.38(0.25 - 0.51)
I/O Width (e)	.014(.010 - .018)	0.69(0.25 - 0.46)
Ground Length (f)	.060(.055 - .065)	1.52(1.40 - 1.65)
Ground Width (g)	.003(.001 - .005)	0.25(0.08 - 0.13)

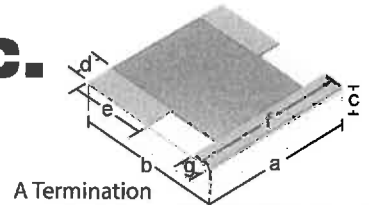
Approximate Weight 0.0045 g





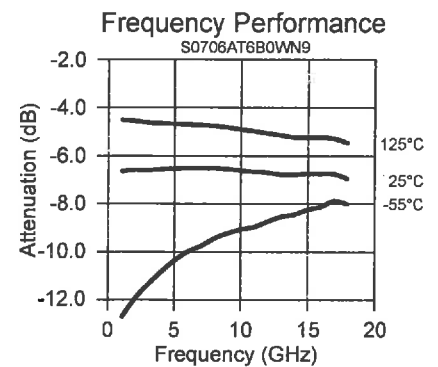
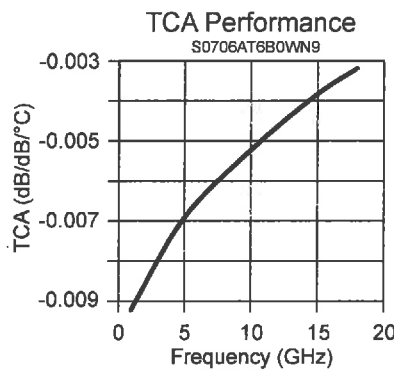
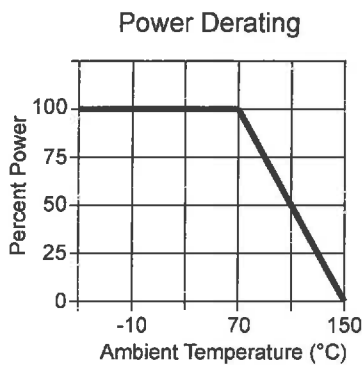
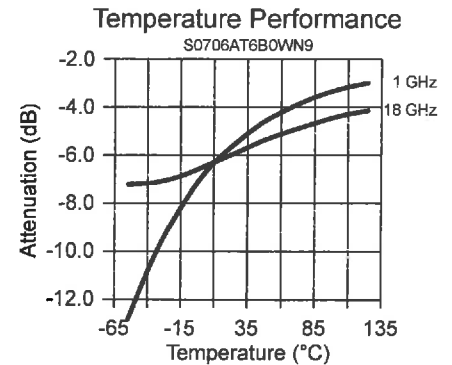
State of the Art, Inc.

Temperature Variable Attenuator 0706 Wire Bondable Single Surface



Performance

Frequency Range	DC - 18 GHz
Attenuation Factor	1, 2, 3, 4, 5, 6 dB @ 1 GHz
Attenuation Accuracy @ 25°C	±0.5 dB @ 1 GHz
Temperature Coefficient (TCA)	-0.003 to -0.009 dB/dB/°C @ 2 GHz
TCA Accuracy	±0.001 dB/dB/°C @ 2 GHz
Impedance	50 Ω nominal
VSWR	1.3:1 maximum @ 1 GHz
Power Rating	125 mW
Operating Range	-55 to 150°C



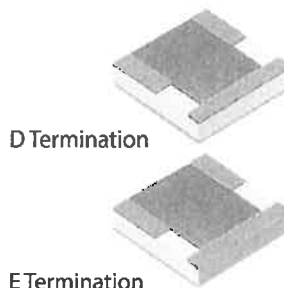
Part Number

S0706AT6B0WN9 -W

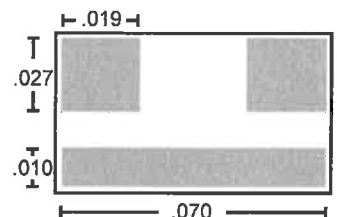
Packaging: -TR: Tape & Reel -W: Waffle Tray
Temperature Coefficient: N: Negative Slope 3: 0.003 7: 0.007 9: 0.009 dB/dB/°C
Termination Finish: W: Gold
Value Code: Three or four digits code attenuation value with B indicating the decimal Example: 3B0 = 3 dB
Product Type: T: Temperature Variable Attenuator (thick film on alumina substrate)
Termination Type: A: Top surface terminations D: Top surface with isolated metal back E: Top surface with ground wrap to metal back
Case Size Code: 0706 is nominally 0.075" x 0.060"
Grade: S: Standard Grade H: High Reliability Grade

Mechanical

	Inches	Millimeters
Length (a)	.076(.073 - .079)	1.93(1.85 - 2.00)
Width (b)	.066(.063 - .069)	1.68(1.60 - 1.75)
Thickness (c)	.018(.015 - .023)	0.46(0.38 - 0.58)
I/O Length (d)	.019(.015 - .023)	0.48(0.38 - 0.58)
I/O Width (e)	.027(.023 - .031)	0.69(0.58 - 0.79)
Ground Length (f)	.070(.065 - .075)	1.78(1.65 - 1.91)
Ground Width (g)	.010(.005 - .015)	0.25(0.13 - 0.38)



Nominal Bond Pads (inches)



Approximate Weight 0.005 g

State of the Art, Inc. 2470 Fox Hill Road, State College, PA, USA 16803-1797

www.resistor.com Telephone: 814-355-8004 Toll Free: 800-458-3401 Fax: 814-355-2714

Specifications Subject to Change Without Notice

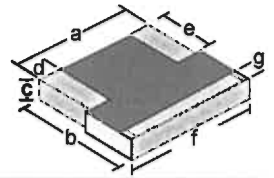
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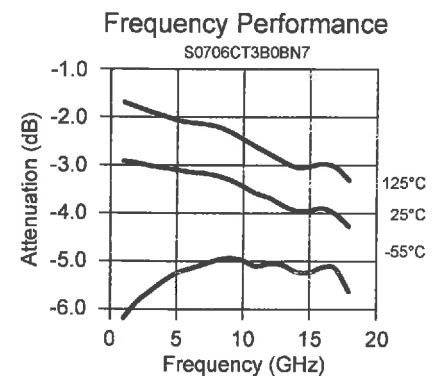
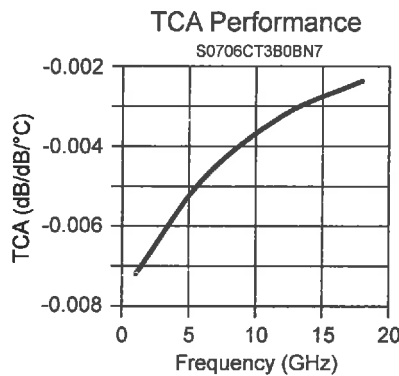
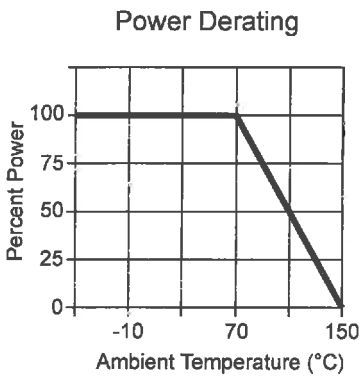
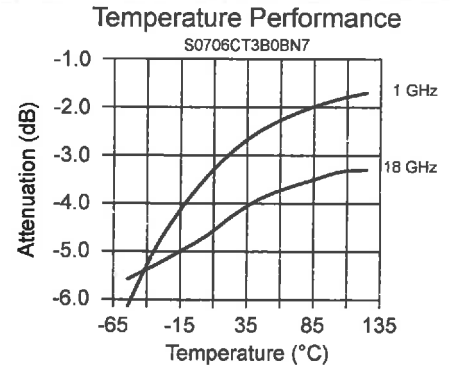
Temperature Variable Attenuator

0706 Solderable Flip Chip Wraparounds



Performance

Frequency Range	DC - 12 GHz
Attenuation Factor @ 25°C	1, 2, 3, 4, 5, 6 dB @ 1 GHz
Attenuation Accuracy @ 25°C	±0.5 dB @ 1 GHz
Temperature Coefficient (TCA)	-0.003 to -0.009 dB/dB/°C @ 2 GHz
TCA Accuracy	±0.001 dB/dB/°C @ 2 GHz
Impedance	50 Ω nominal
VSWR	1.3:1 maximum @ 1 GHz
Power Rating	125 mW
Operating Range	-55 to 150°C



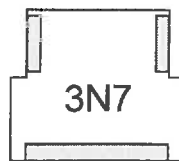
Part Number

S0706CT3B0BN7 -TR

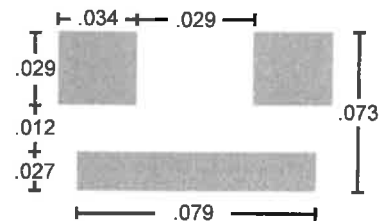
Packaging: -TR: Tape & Reel -W: Waffle Tray (Packaged Film Side Down)
Temperature Coefficient: N: Negative slope 3: 0.003 7: 0.007 9: 0.009 dB/dB/°C
Termination Finish: B: SN60 tin-lead solder over nickel barrier Y: Silver over nickel barrier
Value Code: Three or four digits code attenuation value with B indicating the decimal. Example 3B0 = 3 dB
Product Type: T: Temperature Variable Attenuator (thick film on alumina substrate)
Termination Type: C: Wraparound input, output, and ground terminations
Case Size Code: 0706 is nominally 0.070" x 0.060"
Grade: S Standard Grade H High Reliability Grade

Mechanical

	Inches	Millimeters
Length (a)	.067(.065 - .073)	1.70(1.65 - 1.85)
Width (b)	.060(.058 - .066)	1.52(1.47 - 1.68)
Thickness (c)	.018(.015 - .023)	0.46(0.38 - 0.58)
I/O Length (d)	.017(.013 - .021)	0.43(0.33 - 0.53)
I/O Width (e)	.025(.020 - .030)	0.64(0.51 - 0.76)
Ground Length (f)	.075(.070 - .080)	1.90(1.78 - 1.91)
Ground Width (g)	.010(.005 - .015)	0.25(0.13 - 0.38)



Recommended Minimum Bond Pads (inches)



Approximate Weight 0.005 g

Backside Metal

State of the Art, Inc. 2470 Fox Hill Road, State College, PA, USA 16803-1797
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