

Component General, Inc.

Coaxial Attenuators

MECHANICAL SPECIFICATIONS

Connector: Brass, Nickel Plated.
Housing: Aluminum, Nickel Plated per QQ-N-290.
Insulator: PTFE, Virgin grade.
Impedance: 50 Ω .

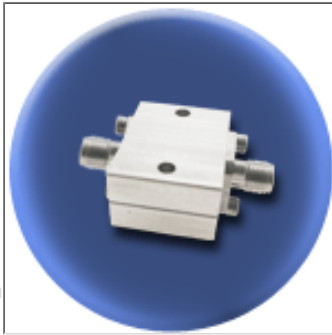
www.DataSheet4U.com

high power coaxial attenuators product selection chart				
P/N	Connectors	Width	Height	Thickness
CHA-20 SM	SMA Male	1.770"	1.000"	0.500"
CHA-20 SF	SMA Female	1.500"	1.000"	0.500"
CHA-20 SMF	SMA Male & Female	1.635"	1.000"	0.500"
CHA-20 NM	N Male	2.640"	1.000"	1.025"
CHA-20 NF	N Female	2.520"	1.000"	1.025"
CHA-20 NMF	N Male & Female	2.580"	1.000"	2.580"

Component General, Inc.

P/N:CHA-20 SF

Coaxial Attenuators



Attenuation Accuracy:

dB	DC - 1 GHz	1 - 2.5 GHz	2.5 - 4 GHz
1 - 5	± 0.5	± 0.5	± 0.5
6 - 9	± 0.5	± 0.5	± 1.0
10 - 15	± 0.75	± 1.0	± 1.5
16 - 20	± 1.0	± 2.0	± 3.0

Mechanical Specifications

Connector:

Brass, Nickel plated.

Housing:

Aluminum, Nickel plated per QQ-N-290.

Insulator:

PTFE, Virgin grade. .

Environmental Specifications

Temperature Range:

-33° to +55° C (Operating with adequate heat sink)

Relative Humidity:

0 to 95% (Non-condensing)

Electrical Specifications

Input Power :

20 W. (CW,Max.)

Impedance:

50 Ω

Frequency Range:

DC - 1.0 GHz

1.0 - 2.5 GHz

2.5 - 4.0 GHz

VSWR (Max.):

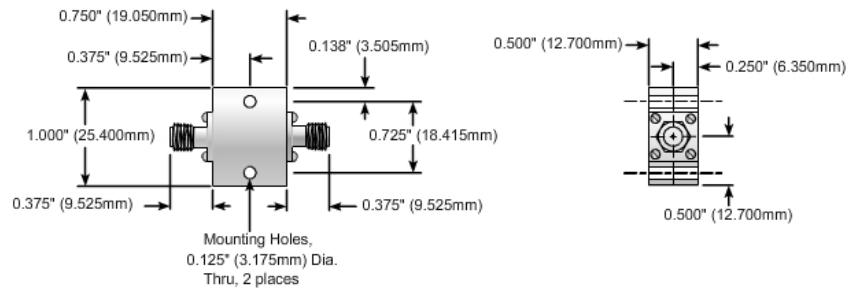
1.15:1

1.35:1

1.50:1

Note: The power ratings are based on a maximum base temperature of 85° C, and derated linearly to zero at 150° C. The use of thermal mounting compound is recommended.

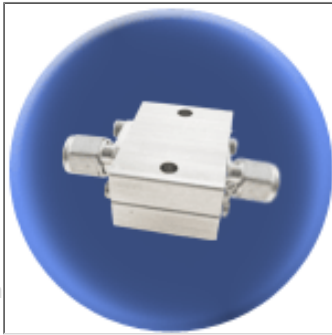
Part Dimensions



Component General, Inc.

P/N:CHA-20 SM

Coaxial Attenuators



Attenuation Accuracy:

dB	DC - 1 GHz	1 - 2.5 GHz	2.5 - 4 GHz
1 - 5	± 0.5	± 0.5	± 0.5
6 - 9	± 0.5	± 0.5	± 1.0
10 - 15	± 0.75	± 1.0	± 1.5
16 - 20	± 1.0	± 2.0	± 3.0

Mechanical Specifications

Connector:

Brass, Nickel plated.

Housing:

Aluminum, Nickel plated per QQ-N-290.

Insulator:

PTFE, Virgin grade. .

Environmental Specifications

Temperature Range:

-33° to +55° C (Operating with adequate heat sink)

Relative Humidity:

0 to 95% (Non-condensing)

Electrical Specifications

Input Power :

20 W. (CW,Max.)

Impedance:

50 Ω

Frequency Range:

DC - 1.0 GHz

1.0 - 2.5 GHz

2.5 - 4.0 GHz

VSWR (Max.):

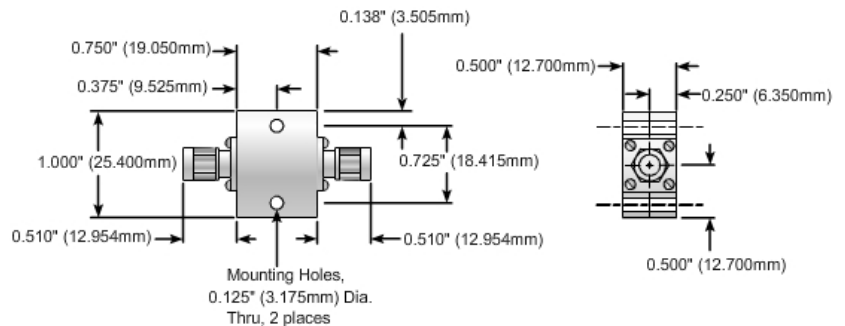
1.15:1

1.35:1

1.50:1

Note: The power ratings are based on a maximum base temperature of 85° C, and derated linearly to zero at 150° C. The use of thermal mounting compound is recommended.

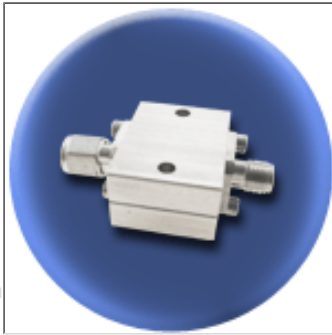
Part Dimensions



Component General, Inc.

P/N:CHA-20 SMF

Coaxial Attenuators



Attenuation Accuracy:

dB	DC - 1 GHz	1 - 2.5 GHz	2.5 - 4 GHz
1 - 5	± 0.5	± 0.5	± 0.5
6 - 9	± 0.5	± 0.5	± 1.0
10 - 15	± 0.75	± 1.0	± 1.5
16 - 20	± 1.0	± 2.0	± 3.0

Mechanical Specifications

Connector:

Brass, Nickel plated.

Housing:

Aluminum, Nickel plated per QQ-N-290.

Insulator:

PTFE, Virgin grade.

Environmental Specifications

Temperature Range:

-33° to +55° C (Operating with adequate heat sink)

Relative Humidity:

0 to 95% (Non-condensing)

Electrical Specifications

Input Power :

20 W. (CW,Max.)

Impedance:

50 Ω

Frequency Range:

DC - 1.0 GHz

1.0 - 2.5 GHz

2.5 - 4.0 GHz

VSWR (Max.):

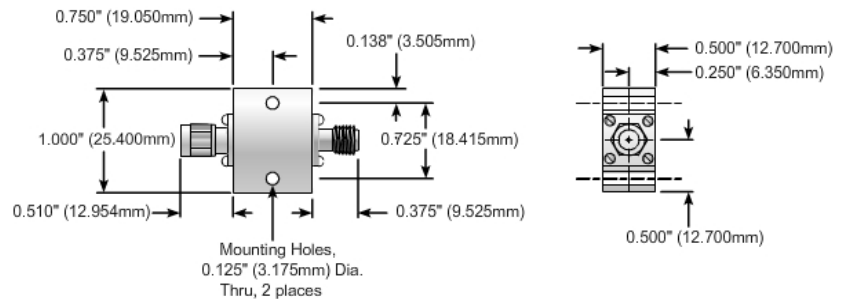
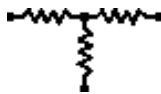
1.15:1

1.35:1

1.50:1

Note: The power ratings are based on a maximum base temperature of 85° C, and derated linearly to zero at 150° C. The use of thermal mounting compound is recommended.

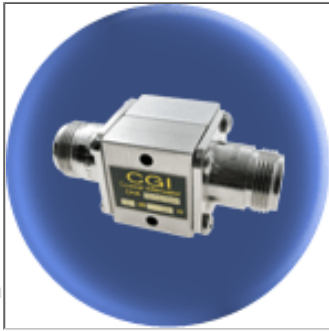
Part Dimensions



Component General, Inc.

P/N:CHA-20 NF

Coaxial Attenuators



Attenuation Accuracy:

dB	DC - 1 GHz	1 - 2.5 GHz	2.5 - 4 GHz
1 - 5	± 0.5	± 0.5	± 0.5
6 - 9	± 0.5	± 0.5	± 1.0
10 - 15	± 0.75	± 1.0	± 1.5
16 - 20	± 1.0	± 2.0	± 3.0

Mechanical Specifications

Connector:

Brass, Nickel plated.

Housing:

Aluminum, Nickel plated per QQ-N-290.

Insulator:

PTFE, Virgin grade.

Environmental Specifications

Temperature Range:

-33° to +55° C (Operating with adequate heat sink)

Relative Humidity:

0 to 95% (Non-condensing)

Electrical Specifications

Input Power :

20 W. (CW,Max.)

Impedance:

50 Ω

Frequency Range:

DC - 1.0 GHz

1.0 - 2.5 GHz

2.5 - 4.0 GHz

VSWR (Max.):

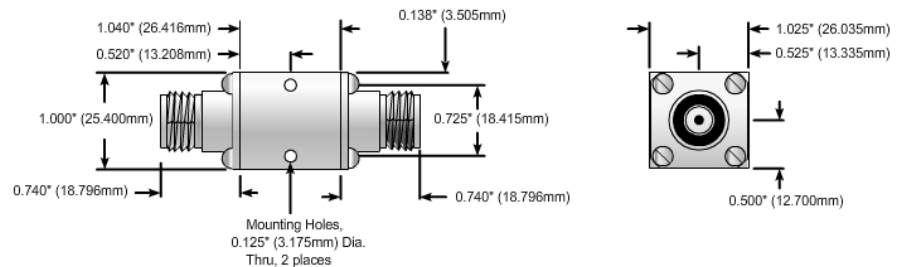
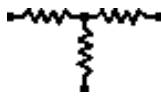
1.15:1

1.35:1

1.50:1

Note: The power ratings are based on a maximum base temperature of 85° C, and derated linearly to zero at 150° C. The use of thermal mounting compound is recommended.

Part Dimensions

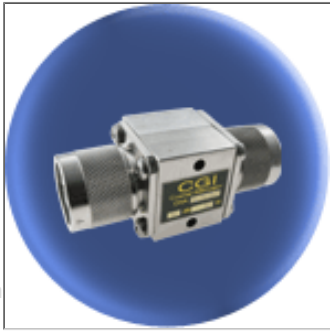


2445 Success Drive Odessa, FL 33556
727-376-6655 or 800-246-4084

Component General, Inc.

P/N:CHA-20 NM

Coaxial Attenuators



Attenuation Accuracy:

dB	DC - 1 GHz	1 - 2.5 GHz	2.5 - 4 GHz
1 - 5	± 0.5	± 0.5	± 0.5
6 - 9	± 0.5	± 0.5	± 1.0
10 - 15	± 0.75	± 1.0	± 1.5
16 - 20	± 1.0	± 2.0	± 3.0

Mechanical Specifications

Connector:

Brass, Nickel plated.

Housing:

Aluminum, Nickel plated per QQ-N-290.

Insulator:

PTFE, Virgin grade. .

Environmental Specifications

Temperature Range:

-33° to +55° C (Operating with adequate heat sink)

Relative Humidity:

0 to 95% (Non-condensing)

Electrical Specifications

Input Power :

20 W. (CW,Max.)

Impedance:

50 Ω

Frequency Range:

DC - 1.0 GHz

1.0 - 2.5 GHz

2.5 - 4.0 GHz

VSWR (Max.):

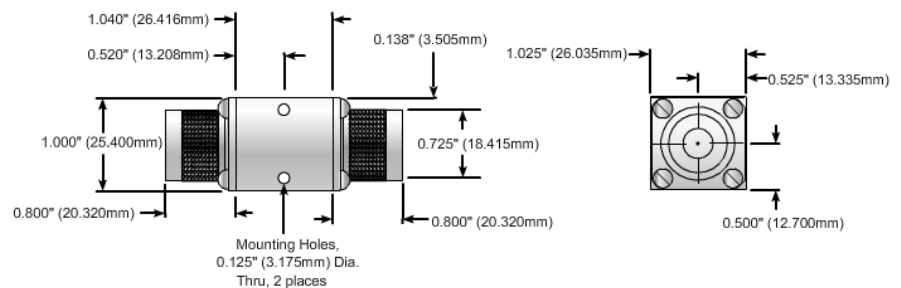
1.15:1

1.35:1

1.50:1

Note: The power ratings are based on a maximum base temperature of 85° C, and derated linearly to zero at 150° C. The use of thermal mounting compound is recommended.

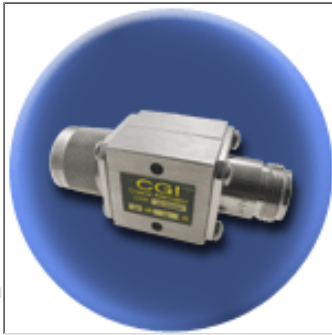
Part Dimensions



Component General, Inc.

P/N:CHA-20 NMF

Coaxial Attenuators



Attenuation Accuracy:

dB	DC - 1 GHz	1 - 2.5 GHz	2.5 - 4 GHz
1 - 5	± 0.5	± 0.5	± 0.5
6 - 9	± 0.5	± 0.5	± 1.0
10 - 15	± 0.75	± 1.0	± 1.5
16 - 20	± 1.0	± 2.0	± 3.0

Mechanical Specifications

Connector:

Brass, Nickel plated.

Housing:

Aluminum, Nickel plated per QQ-N-290.

Insulator:

PTFE, Virgin grade. .

Environmental Specifications

Temperature Range:

-33° to +55° C (Operating with adequate heat sink)

Relative Humidity:

0 to 95% (Non-condensing)

Electrical Specifications

Input Power :

20 W. (CW,Max.)

Impedance:

50 Ω

Frequency Range:

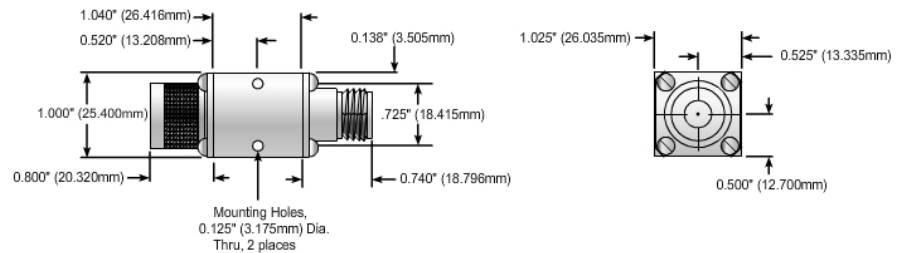
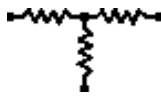
DC - 1.0 GHz
1.0 - 2.5 GHz
2.5 - 4.0 GHz

VSWR (Max.):

1.15:1
1.35:1
1.50:1

Note: The power ratings are based on a maximum base temperature of 85° C, and derated linearly to zero at 150° C. The use of thermal mounting compound is recommended.

Part Dimensions



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