Attenuators, Coaxial

Fixed

ATM manufactures a wide selection of high quality Fixed Attenuators ranging from 2 watt to 50 watt models in standard dB values of 3, 6, 10, 20, 30, and specials of up to 60dB for SMA or Type-N. In addition to our standard product line ATM manufactures many special High Power models up to 500 watts. Standard models are supplied with M/F connectors. Other connectors supplied on request. Consult factory for details. Please call us with your requirements and discuss your needs with one of our design engineers.

ADVANCED TECHNICAL MATERIALS INC.

2 Watt Fixed Attenuators
(& 1Watt 40GHz Model)

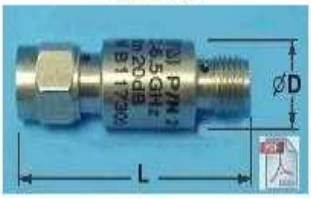
SMA M/F

Length (L)	0 - 12dB	0.86"
	13 - 30dB	.99"
Dia. (ØD)	0.28"	

Model #	Freq. Range
3105-*	DC - 6.5GHz
3106-*	DC - 12.4GHz
3107-*	DC - 18.0GHz
3108-*	DC - 23.0GHz

Attenuation:
Std. Values:....3, 6, 10, 20, 30dB
Power:
Average:** .....2W Avg. @ 25°C
Peak:.....250W max
Attenuation Accuracy:
DC-23 GHz
3-6dB.....± 0.3 dB Max
7-20dB.....± 0.5 dB Max
21-30dB.....± 0.75 dB Max
VSWR:
DC-4GHz.....1.15:1 Max
4-8GHz.....1.20:1 Max
8-12.4GHz.....1.25:1 Max
12.4-18GHz....1.35:1 Max
18-23GHz.....1.40:1 Max.
Material:
Connectors:.....Stainless Steel
Body:.....Stainless Steel

SMA M/F

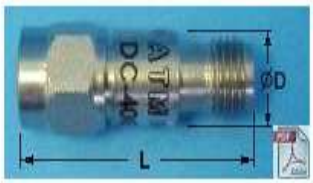


Length (L)	0 - 30dB	1.21"
	31 - 60dB	1.49"
Dia. (ØD)	0.36"	

Model #	Freq. Range
2105-*	DC - 6.5GHz
2106-*	DC - 12.4GHz
2107-*	DC - 18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Power:
Average:** .....2W Avg. @ 25°C
Peak:.....250W max
Attenuation Accuracy:
3-6dB.....± 0.3dB Max
7-20dB.....± 0.5dB Max
21-30dB.....± 0.75dB Max
31-60dB.....±1.50dB Max
VSWR:
DC-4GHz.....1.15:1 Max
4-8GHz.....1.20:1 Max
8-12.4GHz.....1.25:1 Max
12.4-18GHz.....1.35:1 Max
Material:
Connectors:.....Stainless Steel
Body:.....Stainless Steel

2.9 mm M/F



Length (L)	0 - 12dB	0.88"
	13 - 30dB	1.01"
Dia.(ØD)	0.28"	

Model #	Freq. Range
2108-*	DC - 26.5GHz
2109-*	DC - 40.0GHz

Note: Units only available with 2.9mm connectors

Attenuation:
Std. Values: ....3, 6, 10, 20, 30 dB
Power:
Average:**
DC - 26.0GHz...2W Avg. @ 25°C
26.0 - 40.0GHz..1W Avg. @ 25°C
Peak: .....250W Max
Attenuation Accuracy:
DC - 26.5GHz:
3-6dB.....± 0.4dB Max
10-20dB.....± 0.6dB Max
30dB.....± 0.8dB Max
26.5 - 40.0GHz:
3-10dB.....± 0.8dB Max
20-30dB.....± 1.0dB Max
VSWR:
DC-18GHz.....1.30:1 Max
18-40GHz.....1.40:1 Max
Material:
Connectors:.....Stainless Steel
Body:.....Stainless Steel

Type N M/F

Length (L)	0 - 30dB	1.76"
	31 - 60dB	2.04"
Dia.(ØD)	0.62"	

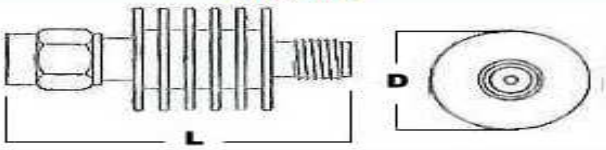
Model #	Freq. Range
2205-*	DC - 6.5GHz
2206-*	DC - 12.4GHz
2207-*	DC - 18.0GHz

Attenuation:
Std. Values:..3, 6, 10, 20, 30dB
Power:
Average:** ....2W Avg. @ 25°C
Peak: .....250W Max
Attenuation Accuracy:
3-6dB.....± 0.3dB Max
7-20dB.....± 0.5dB Max
21-30dB.....± 0.75dB Max
31-60dB.....±1.50dB Max
VSWR:
DC-4GHz.....1.15:1 Max
4-8GHz.....1.20:1 Max
8-12.4GHz....1.25:1 Max
12.4-18GHz..1.35:1 Max
Material:
Connectors:....Stainless Steel
Body:.....Nickel Plated Brass

*To complete Model # add dB value. Standard values are 3, 6, 10, 20 & 30dB.
Example P/N:
3105- becomes: **3105-10** when 10dB attenuation is desired
2207- becomes: **2207-30** when 30dB attenuation is desired
**derated linearly to 0.5W @ 125°C

5 Watt Fixed Attenuators

SMA M/F

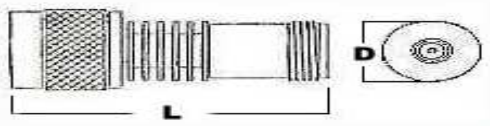


Length (L):	0-30dB 1.20"	0-60dB 1.485"
Diameter (D):	0.61"	

Model #	Freq. Range
Model 0515-*	DC - 6.0GHz
Model 0516-*	DC - 12.4GHz
Model 0517-*	DC - 18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Power:
Average:** .....5W Avg. @ 25°C
Peak:.....250W max
Attenuation Accuracy:
0-6dB.....± 0.3dB max
7-20dB.....± 0.5dB max
21-30dB.....± 0.75dB max
31-60dB.....± 1.50dB max
VSWR:
DC-4GHz.....1.15:1 max
4-8GHz.....1.20:1 max
8-12.4GHz.....1.25:1 max
12.4-18GHz.....1.35:1 max
Material:
Connectors:.....Stainless Steel
Body:.....Anodized Alum.

Type N M/F



Length (L):	0-30dB 1.90"	31-60dB 2.19"
Diameter (D):	0.61"	

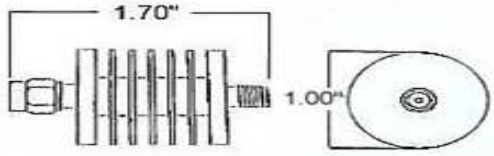
Model #	Freq. Range
Model 0525-*	DC - 6.0GHz
Model 0526-*	DC - 12.4GHz
Model 0527-*	DC - 18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Power:
Average:** .....5W Avg. @ 25°C
Peak:.....250W max
Attenuation Accuracy:
0-6dB.....± 0.3dB max
7-20dB.....± 0.5dB max
21-30dB.....± 0.75dB max
31-60dB.....± 1.50dB max
VSWR:
DC-4GHz.....1.15:1 max
4-8GHz.....1.20:1 max
8-12.4GHz.....1.25:1 max
12.4-18GHz.....1.35:1 max
Material:
Connectors:.....Stainless Steel
Body:.....Anodized Alum.

*To complete Model # add dB value. Standard values are 3, 6, 10, 20 & 30dB.
Example P/N: **0515**- becomes: **0515-10** when 10dB attenuation is desired.
**derated linearly to 1W @ 125°C

10 Watt Fixed Attenuators

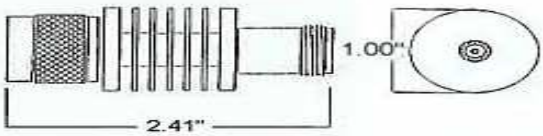
SMA M/F



Model #	Freq Range
Model 1015-*	DC-6.0GHz
Model 1016-*	DC-12.4GHz
Model 1017-*	DC-18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Attenuation Accuracy:
DC - 12.4GHz:
3-6dB.....± 0.3dB max
10-20dB.....± 0.5dB max
30dB.....± 0.7dB max
12.4 - 18.0GHz:
3-6dB.....± 0.5dB max
10-20dB.....± 0.7dB max
30dB.....± 1.0dB max
Power:
Average:** .....10W Avg. @ 25°C
Peak:.....500W max
VSWR:
DC-6.0GHz.....1.20:1 max
6-12.4GHz.....1.30:1 max
12.4-18GHz.....1.40:1 max
Material:
Connectors:.....Stainless Steel
Body:.....Anodized Alum.

Type N M/F



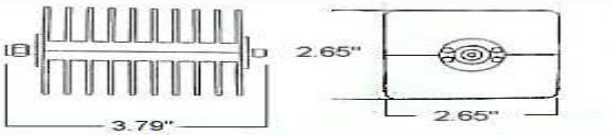
Model #	Freq Range
Model 1025-*	DC-6.0GHz
Model 1026-*	DC-12.4GHz
Model 1027-*	DC-18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Attenuation Accuracy:
DC - 12.4GHz:
3-6dB.....± 0.3dB max
10-20dB.....± 0.5dB max
30dB.....± 0.7dB max
12.4 - 18.0GHz:
3-6dB.....± 0.5dB max
10-20dB.....± 0.7dB max
30dB.....± 1.0dB max
Power:
Average:** .....10W Avg. @ 25°C
Peak:.....500W max
VSWR:
DC-6.0GHz.....1.20:1 max
6-12.4GHz.....1.30:1 max
12.4-18GHz.....1.40:1 max
Material:
Connectors:.....Stainless Steel
Body:.....Anodized Alum.

* To complete Model # add dB value. Standard values are 3, 6, 10, 20 & 30dB.
Example P/N: **1015**- becomes: **1015-10** when a 10dB attenuation model is desired.
** derated linearly to 2W @ 125°C

25 Watt Fixed Attenuators

SMA M/F

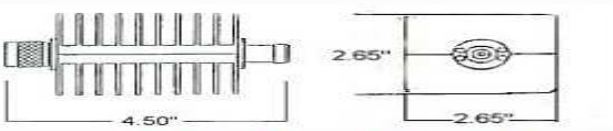


Models: 2515-* 2516-* 2517-*

Model #	Freq. Range
Model 2514-*	DC-4.2GHz***
Model 2515-*	DC-6.0GHz
Model 2516-*	DC-12.4GHz
Model 2517-*	DC-18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Attenuation Accuracy:
DC - 6.0GHz:
3-6dB.....± 0.3dB max
10-20dB.....± 0.5dB max
30dB.....± 0.75dB max
6.0 - 12.4GHz:
3-6dB.....± 0.5dB max
10-20dB.....± 0.75dB max
30dB.....± 1.0dB max
12.4 - 18.0GHz:
3-6dB.....± 0.75dB max
10-20dB.....± 1.0dB max
30dB.....± 1.5dB max
Power:
Average:** .....25W Avg. @ 25°C
Peak:.....500W max
VSWR:
DC-4.0GHz.....1.25:1 max****
DC-6.0GHz.....1.20:1 max
6-12.4GHz.....1.30:1 max
12.4-18GHz.....1.40:1 max
Material:
Connectors:.....Stainless Steel
Body:.....Anodized Alum.

Type N M/F



Models: 2525-* 2526-* 2527-*

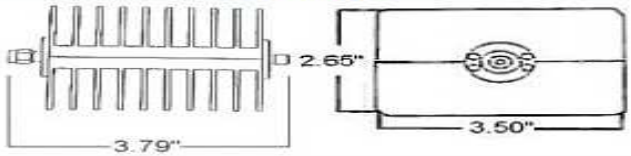
Model #	Freq. Range
Model 2524-*	DC-4.2GHz***
Model 2525-*	DC-6.0GHz
Model 2526-*	DC-12.4GHz
Model 2527-*	DC-18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Attenuation Accuracy:
DC - 6.0GHz:
3-6dB.....± 0.3dB max
10-20dB.....± 0.5dB max
30dB.....± 0.75dB max
6.0 - 12.4GHz:
3-6dB.....± 0.5dB max
10-20dB.....± 0.75dB max
30dB.....± 1.0dB max
12.4 - 18.0GHz:
3-6dB.....± 0.75dB max
10-20dB.....± 1.0dB max
30dB.....± 1.5dB max
Power:
Average:** .....25W Avg. @ 25°C
Peak:.....500W max
VSWR:
DC-4.0GHz.....1.25:1 max****
DC-6.0GHz.....1.20:1 max
6-12.4GHz.....1.30:1 max
12.4-18GHz.....1.40:1 max
Material:
Connectors:.....Stainless Steel or Nickel Plated Brass
Body:.....Anodized Alum.

* To complete Model # add dB value. Standard values are 3, 6, 10, 20 & 30dB.
Example P/N: **2514-** becomes: **2514-10** when a 10dB attenuation model is desired.
** Derated linearly to 5W @ 125°C
*** 2514 & 2524 models are capable of 3dB attenuation up to 3 GHz only.
**** 2514-3 & 2524-3 models
have a VSWR of 1.35 (max.) when operated above 1 GHz

50 Watt Fixed Attenuators

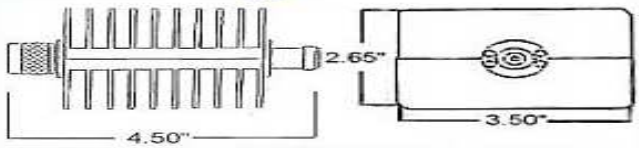
SMA M/F



Model #	Freq. Range
Model 5015-*	DC-6.0GHz
Model 5016-*	DC-12.4GHz
Model 5017-*	DC-18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Attenuation Accuracy:
DC - 6.0GHz:
3-6dB.....± 0.3dB max
10-20dB.....± 0.5dB max
30dB.....± 0.75dB max
6.0 - 12.4GHz:
3-6dB.....± 0.5dB max
10-20dB.....± 0.75dB max
30dB.....± 1.0dB max
12.4 - 18.0GHz:
3-6dB.....± 0.75dB max
10-20dB.....± 1.0dB max
30dB.....± 1.5dB max
Power:
Average:** .....50W Avg. @ 25°C
Peak:.....500W max
VSWR:
DC-6.0GHz.....1.25:1 max
6-12.4GHz.....1.35:1 max
12.4-18GHz.....1.45:1 max
Material:
Connectors:.....Stainless Steel
Body:.....Anodized Alum.

Type N M/F



Model #	Freq. Range
Model 5025-*	DC-6.0GHz
Model 5026-*	DC-12.4GHz
Model 5027-*	DC-18.0GHz

Attenuation:
Std. Values:.....3, 6, 10, 20, 30dB
Attenuation Accuracy:
DC - 6.0GHz:
3-6dB.....± 0.3dB max
10-20dB.....± 0.5dB max
30dB.....± 0.75dB max
6.0 - 12.4GHz:
3-6dB.....± 0.5dB max
10-20dB.....± 0.75dB max
30dB.....± 1.0dB max
12.4 - 18.0GHz:
3-6dB.....± 0.75dB max
10-20dB.....± 1.0dB max
30dB.....± 1.5dB max
Power:
Average:** .....50W Avg. @ 25°C
Peak:.....500W max
VSWR:
DC-6.0GHz.....1.25:1 max
6-12.4GHz.....1.35:1 max
12.4-18GHz.....1.45:1 max
Material:
Connectors:.....Stainless Steel
Body:.....Anodized Alum.

* To complete Model # add dB value. Standard values are 3, 6, 10, 20 & 30dB.
Example P/N: **5015-** becomes: **5015-10** when a 10dB attenuation model is desired.
** derated linearly to 10W @ 125°C