

# Attenuators Fixed

Adapters **Attenuators** Couplers DC Blocks Detectors Isolators & Circulators Phase Shifters Power Dividers and Hybrids Terminations (50 Ohm Loads) Waveguide

## SMA (M/F) DC to 18 GHz, 2 Watt



### Features

- Flat Frequency Response
- Low VSWR
- 2 Watt Rating
- Designed to Meet Environmental Requirements of MIL-A-3933
- Precision Stainless Steel SMA Connectors

### Models

- 4779-1, 4779-2, 4779-3, 4779-4, 4779-5, 4779-6, 4779-7, 4779-8, 4779-9, 4779-10, 4779-11, 4779-12, 4779-13, 4779-14, 4779-15, 4779-16, 4779-17, 4779-18, 4779-19, 4779-20, 4779-30, 4779-40, 4779-50, 4779-60

Model	4779-1	4779-2	4779-3	4779-4	4779-5
Low Frequency (GHz)	DC	DC	DC	DC	DC
High Frequency (GHz)	18.0	18.0	18.0	18.0	18.0
Attenuation dB (Nominal)	1	2	3	4	5
Attenuation dB (Deviation DC-12.4)	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3
Attenuation dB (Deviation 12.4-18)	+/- 0.4	+/- 0.4	+/- 0.3	+/- 0.3	+/- 0.3
Power Input (Max Avg.) in W	2	2	2	2	2
Power Input (Max Peak) in kW	0.2	0.2	0.2	0.2	0.2
VSWR (max) DC-4 GHz	1.15	1.15	1.15	1.15	1.15
VSWR (max) 4-12.4 GHz	1.30	1.30	1.30	1.30	1.30
VSWR (max) 12.4-18 GHz	1.35	1.35	1.35	1.35	1.35
Maximum Weight (gr)	14	14	14	14	14
Maximum Weight (oz)	0.5	0.5	0.5	0.5	0.5
Special Notes:	A , B , C	A , B , C	A , B	A , B , C	A , B , C

#### Special Notes:

**A:** Temperature Coefficient: 0.0006 dB/dB/°C; Power Coefficient: 0.0005 dB/dB/watt.

**B:** Ordering information: Specify model number and add dash number suffix for attenuation in dB. For example: 4772-10.

**C:** Standard attenuation values are typically available from stock in the following attenuation values: 3 dB, 6 dB, 10 dB, 20 dB, 30 db.

Non-standard attenuation values are available on a custom order basis. Minimum order quantity may apply. Consult factory for details.

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Model	4779-6	4779-7	4779-8	4779-9	4779-10
Low Frequency (GHz)	DC	DC	DC	DC	DC
High Frequency (GHz)	18.0	18.0	18.0	18.0	18.0
Attenuation dB (Nominal)	6	7	8	9	10
Attenuation dB (Deviation DC-12.4)	+/- 0.3	+/- 0.4	+/- 0.4	+/- 0.4	+/- 0.3
Attenuation dB (Deviation 12.4-18)	+/- 0.3	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.5
Power Input (Max Avg.) in W	2	2	2	2	2
Power Input (Max Peak) in kW	0.2	0.2	0.2	0.2	0.2
VSWR (max) DC-4 GHz	1.15	1.15	1.15	1.15	1.15
VSWR (max) 4-12.4 GHz	1.30	1.30	1.30	1.30	1.30
VSWR (max) 12.4-18 GHz	1.35	1.35	1.35	1.35	1.35
Maximum Weight (gr)	14	14	14	14	14
Maximum Weight (oz)	0.5	0.5	0.5	0.5	0.5
Special Notes:	A, B	A, B, C	A, B, C	A, B, C	A, B

**Special Notes:**

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Model	4779-11	4779-12	4779-13	4779-14	4779-15
Low Frequency (GHz)	DC	DC	DC	DC	DC
High Frequency (GHz)	18.0	18.0	18.0	18.0	18.0
Attenuation dB (Nominal)	11	12	13	14	15
Attenuation dB (Deviation DC-12.4)	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.5
Attenuation dB (Deviation 12.4-18)	+/- 0.6	+/- 0.6	+/- 0.6	+/- 0.6	+/- 0.6
Power Input (Max Avg.) in W	2	2	2	2	2
Power Input (Max Peak) in kW	0.2	0.2	0.2	0.2	0.2
VSWR (max) DC-4 GHz	1.15	1.15	1.15	1.15	1.15
VSWR (max) 4-12.4 GHz	1.30	1.30	1.30	1.30	1.30
VSWR (max) 12.4-18 GHz	1.35	1.35	1.35	1.35	1.35
Maximum Weight (gr)	14	14	14	14	14
Maximum Weight (oz)	0.5	0.5	0.5	0.5	0.5
Special Notes:	A, B, C	A, B, C	A, B, C	A, B, C	A, B, C

**Special Notes:**

**A:** Temperature Coefficient: 0.0006 dB/dB/°C; Power Coefficient: 0.0005 dB/dB/watt.

**B:** Ordering information: Specify model number and add dash number suffix for attenuation in dB. For example: 4772-10.

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## SMA (M/F) DC to 18 GHz, 2 Watt

Model	4779-16	4779-17	4779-18	4779-19	4779-20
Low Frequency (GHz)	DC	DC	DC	DC	DC
High Frequency (GHz)	18.0	18.0	18.0	18.0	18.0
Attenuation dB (Nominal)	16	17	18	19	20
Attenuation dB (Deviation DC-12.4)	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.5
Attenuation dB (Deviation 12.4-18)	+/- 0.6	+/- 0.6	+/- 0.6	+/- 0.6	+/- 0.6
Power Input (Max Avg.) in W	2	2	2	2	2
Power Input (Max Peak) in kW	0.2	0.2	0.2	0.2	0.2
VSWR (max) DC-4 GHz	1.15	1.15	1.15	1.15	1.15
VSWR (max) 4-12.4 GHz	1.30	1.30	1.30	1.30	1.30
VSWR (max) 12.4-18 GHz	1.35	1.35	1.35	1.35	1.35
Maximum Weight (gr)	14	14	14	14	14
Maximum Weight (oz)	0.5	0.5	0.5	0.5	0.5
Special Notes:	A , B , C	A , B , C	A , B , C	A , B , C	A , B

**Special Notes:**

A: Temperature Coefficient: 0.0006 dB/dB/°C; Power Coefficient: 0.0005 dB/dB/watt.

B: Ordering information: Specify model number and add dash number suffix for attenuation in dB. For example: 4772-10.

C: Standard attenuation values are typically available from stock in the following attenuation values: 3 dB, 6 dB, 10 dB, 20 dB, 30 db.

Non-standard attenuation values are available on a custom order basis. Minimum order quantity may apply. Consult factory for details.

Model	4779-30	4779-40	4779-50	4779-60
Low Frequency (GHz)	DC	DC	DC	DC
High Frequency (GHz)	18.0	18.0	18.0	18.0
Attenuation dB (Nominal)	30	40	50	60
Attenuation dB (Deviation DC-12.4)	+/- 0.8	+/- 1.2	+/- 1.2	+/- 1.2
Attenuation dB (Deviation 12.4-18)	+/- 1.0	+/- 1.5	+/- 1.5	+/- 1.5
Power Input (Max Avg.) in W	2	2	2	2
Power Input (Max Peak) in kW	0.2	0.2	0.2	0.2
VSWR (max) DC-4 GHz	1.15	1.15	1.15	1.15
VSWR (max) 4-12.4 GHz	1.35	1.35	1.35	1.35
VSWR (max) 12.4-18 GHz	1.40	1.40	1.40	1.40
Maximum Weight (gr)	14	14	14	14
Maximum Weight (oz)	0.5	0.5	0.5	0.5
Special Notes:	A , B	A , B	A , B	A , B

**Special Notes:**

A: Temperature Coefficient: 0.0006 dB/dB/°C; Power Coefficient: 0.0005 dB/dB/watt.

B: Ordering information: Specify model number and add dash number suffix for attenuation in dB. For example: 4772-10.

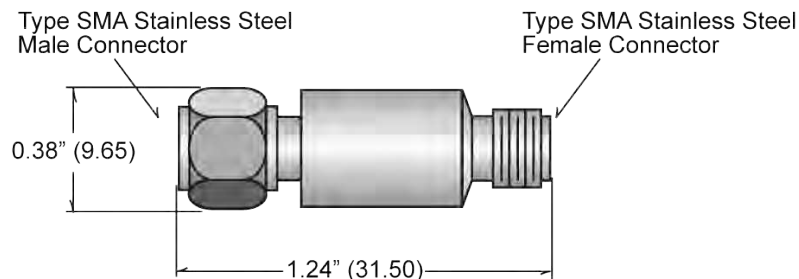
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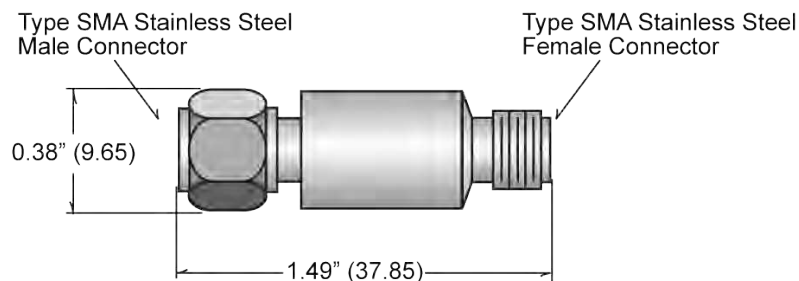


#### Outline Drawing for Models:

4779-1, 4779-2, 4779-3, 4779-4, 4779-5, 4779-6, 4779-7, 4779-8, 4779-9, 4779-10, 4779-11, 4779-12, 4779-13, 4779-14, 4779-15, 4779-16, 4779-17, 4779-18, 4779-19, 4779-20, 4779-30

#### Notes:

Unless otherwise specified dimensions are max. and for reference only. Contact the factory for detailed specifications and outline drawing.



#### Outline Drawing for Models:

4779-40, 4779-50, 4779-60

#### Notes:

Unless otherwise specified dimensions are max. and for reference only. Contact the factory for detailed specifications and outline drawing.