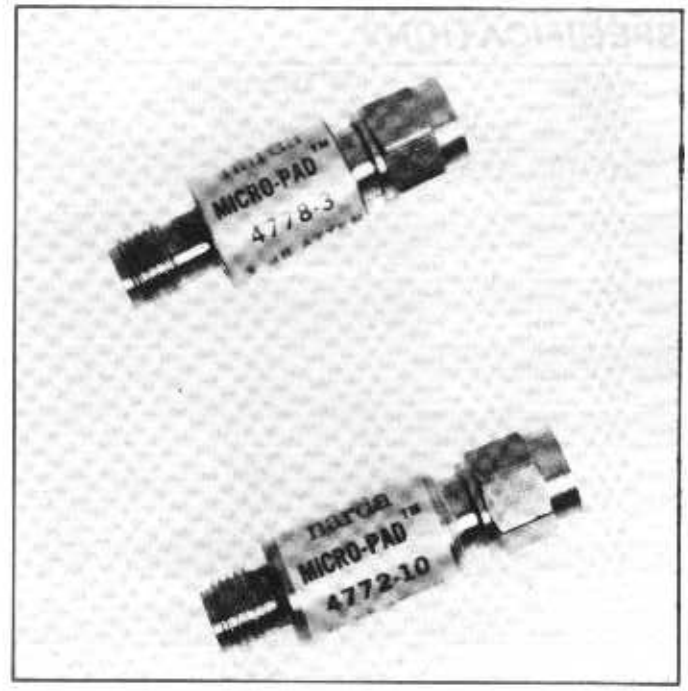
SMA MINIATURE FIXED ATTENUATORS



DESCRIPTION

Narda 4779 Series miniature attenuators feature excellent flatness with frequency and low VSWR and high power handling capability combined with small size and light weight. The internal construction of 4779 Series attenuators features a thin film distributed constant attenuator element mounted in a capsule which includes a unique matching structure. This attenuator capsule is, in turn, mounted in a sealed barrel with connectors built into each end. This sealed ruggedized construction assures operation in systems under extreme environmental conditions.

Applications of 4779 Series Attenuators are found in airborne and shipboard EW systems, industrial microwave systems, test equipment, receivers and laboratories.

FEATURES

- **SMA Connectors**
- **Flat Frequency Response**
- **Low VSWR**
- **2 Watt Rating**
- **Miniature Size**

SPECIFICATIONS

FREQUENCY RANGE (GHz)	MODEL	NOMINAL	ATTENUATION dB DEVIATION DC-12.4	ATTENUATION dB DEVIATION 12.4-18	POWER INPUT AVG. (W) Max	POWER INPUT PEAK (kW) Max	VSWR (Max) DC-4	VSWR (Max) 4-12.4	VSWR (Max) 12.4-18	WEIGHT (Max) Oz	WEIGHT (Max) Grams
DC-18	4779	0	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		0.5	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		1.0	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		1.5	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		2.0	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		2.5	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		3.0	±0.3	±0.3	2	0.2	1.15	1.30	1.35	0.5	14
		3.5	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		4.0	±0.3	±0.3	2	0.2	1.15	1.30	1.35	0.5	14
		4.5	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		5.0	±0.3	±0.3	2	0.2	1.15	1.30	1.35	0.5	14
		5.5	±0.3	±0.4	2	0.2	1.15	1.30	1.35	0.5	14
		6.0	±0.3	±0.3	2	0.2	1.15	1.30	1.35	0.5	14
		6.5	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		7.0	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		7.5	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		8.0	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		8.5	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		9.0	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		9.5	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		10.0	±0.3	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		10.5	±0.4	±0.5	2	0.2	1.15	1.30	1.35	0.5	14
		11.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		11.5	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		12.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		12.5	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		13.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		13.5	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		14.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		14.5	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		15.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		16.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		17.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		18.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		19.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		20.0	±0.5	±0.6	2	0.2	1.15	1.30	1.35	0.5	14
		30.0	±0.8	±1.0	2	0.2	1.15	1.35	1.40	0.5	14
		40.0	±0.8	±1.0	2	0.2	1.15	1.35	1.40	0.5	14
		50.0	±1.2	±1.5	2	0.2	1.15	1.35	1.40	0.5	14
		60.0	±1.2	±1.5	2	0.2	1.15	1.35	1.40	0.5	14

ORDERING INFORMATION: Specify Model No. and add dash number suffix for Attenuation in dB.

SPECIFICATIONS

FREQUENCY RANGE (GHz)	MODEL	ATTENUATION dB NOMINAL	ATTENUATION dB DEVIATION DC-12.4	POWER INPUT AVG. (W) Max	POWER INPUT PEAK (kW) Max	VSWR (Max) DC-4	VSWR (Max) 4-12.4	WEIGHT (Max) Oz	WEIGHT (Max) Grams
DC-12.4	4778	0	±0.3	2	0.2	1.15	1.30	0.5	14
		0.5	±0.3	2	0.2	1.15	1.30	0.5	14
		1.0	±0.3	2	0.2	1.15	1.30	0.5	14
		1.5	±0.3	2	0.2	1.15	1.30	0.5	14
		2.0	±0.3	2	0.2	1.15	1.30	0.5	14
		2.5	±0.3	2	0.2	1.15	1.30	0.5	14
		3.0	±0.3	2	0.2	1.15	1.30	0.5	14
		3.5	±0.3	2	0.2	1.15	1.30	0.5	14
		4.0	±0.3	2	0.2	1.15	1.30	0.5	14
		4.5	±0.3	2	0.2	1.15	1.30	0.5	14
		5.0	±0.3	2	0.2	1.15	1.30	0.5	14
		5.5	±0.3	2	0.2	1.15	1.30	0.5	14
		6.0	±0.3	2	0.2	1.15	1.30	0.5	14
		6.5	±0.4	2	0.2	1.15	1.30	0.5	14
		7.0	±0.4	2	0.2	1.15	1.30	0.5	14
		7.5	±0.4	2	0.2	1.15	1.30	0.5	14
		8.0	±0.4	2	0.2	1.15	1.30	0.5	14
		8.5	±0.4	2	0.2	1.15	1.30	0.5	14
		9.0	±0.4	2	0.2	1.15	1.30	0.5	14
		9.5	±0.4	2	0.2	1.15	1.30	0.5	14
		10.0	±0.3	2	0.2	1.15	1.30	0.5	14
		10.5	±0.4	2	0.2	1.15	1.30	0.5	14
		11.0	±0.5	2	0.2	1.15	1.30	0.5	14
		11.5	±0.5	2	0.2	1.15	1.30	0.5	14
		12.0	±0.5	2	0.2	1.15	1.30	0.5	14
		12.5	±0.5	2	0.2	1.15	1.30	0.5	14
		13.0	±0.5	2	0.2	1.15	1.30	0.5	14
		13.5	±0.5	2	0.2	1.15	1.30	0.5	14
		14.0	±0.5	2	0.2	1.15	1.30	0.5	14
		15.0	±0.5	2	0.2	1.15	1.30	0.5	14
		16.0	±0.5	2	0.2	1.15	1.30	0.5	14
		17.0	±0.5	2	0.2	1.15	1.30	0.5	14
		18.0	±0.5	2	0.2	1.15	1.30	0.5	14
		19.0	±0.5	2	0.2	1.15	1.30	0.5	14
		20.0	±0.5	2	0.2	1.15	1.30	0.5	14
		30.0	±0.8	2	0.2	1.35	1.35	0.5	14
		40.0	±0.8	2	0.2	1.35	1.35	0.5	14
		50.0	±1.2	2	0.2	1.35	1.35	0.5	14
		60.0	±1.2	2	0.2	1.35	1.35	0.5	14

Ordering Information:
Specify Model No. and add dash number suffix for Attenuation in dB.

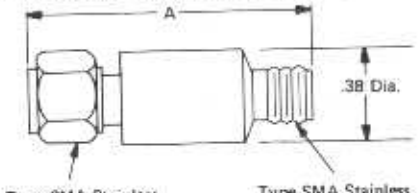
4779-0.5

Model No. — Attenuation

SPECIFICATIONS

FREQUENCY RANGE (GHz)	MODEL	ATTENUATION dB NOMINAL	ATTENUATION dB DEVIATION DC-6	POWER INPUT AVG. (W) Max	POWER INPUT PEAK (kW) Max	VSWR (Max) DC-4.0	VSWR (Max) 4-6	WEIGHT (Max) Oz	WEIGHT (Max) Grams
DC-6	4772	0	±0.3	2	0.2	1.25	1.40	0.5	14
		0.5	±0.3	2	0.2	1.25	1.40	0.5	14
		1.0	±0.3	2	0.2	1.25	1.40	0.5	14
		1.5	±0.3	2	0.2	1.25	1.40	0.5	14
		2.0	±0.3	2	0.2	1.25	1.40	0.5	14
		2.5	±0.3	2	0.2	1.25	1.40	0.5	14
		3.0	±0.3	2	0.2	1.25	1.40	0.5	14
		3.5	±0.3	2	0.2	1.25	1.40	0.5	14
		4.0	±0.3	2	0.2	1.25	1.40	0.5	14
		4.5	±0.3	2	0.2	1.25	1.40	0.5	14
		5.0	±0.3	2	0.2	1.25	1.40	0.5	14
		5.5	±0.3	2	0.2	1.25	1.40	0.5	14
		6.0	±0.3	2	0.2	1.25	1.40	0.5	14
		6.5	±0.4	2	0.2	1.25	1.40	0.5	14
		7.0	±0.4	2	0.2	1.25	1.40	0.5	14
		7.5	±0.4	2	0.2	1.25	1.40	0.5	14
		8.0	±0.4	2	0.2	1.25	1.40	0.5	14
		8.5	±0.4	2	0.2	1.25	1.40	0.5	14
		9.0	±0.4	2	0.2	1.25	1.40	0.5	14
		9.5	±0.4	2	0.2	1.25	1.40	0.5	14
		10.0	±0.3	2	0.2	1.25	1.40	0.5	14
		10.5	±0.4	2	0.2	1.25	1.40	0.5	14
		11.0	±0.4	2	0.2	1.25	1.40	0.5	14
		11.5	±0.4	2	0.2	1.25	1.40	0.5	14
		12.0	±0.4	2	0.2	1.25	1.40	0.5	14
		12.5	±0.4	2	0.2	1.25	1.40	0.5	14
		13.0	±0.4	2	0.2	1.25	1.40	0.5	14
		13.5	±0.4	2	0.2	1.25	1.40	0.5	14
		14.0	±0.4	2	0.2	1.25	1.40	0.5	14
		15.0	±0.4	2	0.2	1.25	1.40	0.5	14
		16.0	±0.4	2	0.2	1.25	1.40	0.5	14
		17.0	±0.4	2	0.2	1.25	1.40	0.5	14
		18.0	±0.4	2	0.2	1.25	1.40	0.5	14
		19.0	±0.4	2	0.2	1.25	1.40	0.5	14
		20.0	±0.3	2	0.2	1.25	1.40	0.5	14
		30.0	±0.5	2	0.2	1.25	1.40	0.5	14
		40.0	±0.5	2	0.2	1.25	1.40	0.5	14
		50.0	±.75	2	0.2	1.25	1.40	0.5	14
		60.0	±.75	2	0.2	1.25	1.40	0.5	14

Ordering Information:
Specify Model No. and add dash number suffix for Attenuation in dB.
For example:
4779-0.5
Model No. — Attenuation



Model No.	A 1-20 dB	A 30-60 dB
4772	1.28	1.49
4778	1.24	1.49
4779	1.24	1.49

All dimensions are Max. unless otherwise specified.