

CONTINUOUSLY VARIABLE ATTENUATORS

Low
Phase



GENERAL DESCRIPTION

This group of attenuators features high resolution trimming over a 3 dB range with minimal change in phase length. These units also exhibit excellent flatness over their frequency ranges.

These units utilize a multi-turn, non-translating shaft with a locking device.

GENERAL SPECIFICATIONS

Frequency Bands From 350-4400 MHz
 RF Power 5 Watts average
 Phase with Attenuation 12° max
 Connectors * ... SMA Female standard
 Material :
 Body Aluminum
 Connectors Stainless Steel
 Finish ARRA Blue per
 MIL-C-22750

Freq Range (GHz)	Atten Range (dB)	Atten vs Freq (±dB)	Ins Loss (Max dB)	VSWR (Max)	Form Factor	Model No. *
0.35-0.5	3	0.5	0.2	1.3	0-1317	1953-3X
0.5-1.0	3	0.5	0.2	1.4	7175	2953-3
0.96-1.215	3	0.2	0.2	1.3	4310	2-3953-3X
0.7-1.4	3	0.5	0.2	1.4	4310	2-3953-3Y
1.0-1.5	3	0.5	0.2	1.4	4310	3953-3
1.5-2.0	3	0.5	0.2	1.4	4310	3953-3X
1.0-2.0	3	0.5	0.2	1.4	4310	3953-3Z
2.0-2.4	3	0.3	0.3	1.4	4061	4953-3
2.3-2.8	3	0.3	0.3	1.4	4061	4953-3X
2.9-3.1	3	0.3	0.3	1.4	3651	4953-3Y
3.7-4.2	3	0.3	0.3	1.4	3651	4953-3Z
4.2-4.4	3	0.2	0.3	1.3	3651	5953-3

* To specify Type N connectors, precede model number with N. Ex: N2953-3

To specify panel-mount, precede model number with P. Ex: PN2953-3

To specify turns-counting dial, precede model number with T. Ex: TN2953-3

For 30 Watt models, precede model number with H. Ex: HTN2953-3

Note: Other models available in limited frequency bandwidths; contact factory.

CONTINUOUSLY VARIABLE ATTENUATORS

Low
Phase



GENERAL DESCRIPTION

This line of continuously variable attenuators utilizes a unique approach to varying attenuation levels over a 30 dB dynamic range with little, if any, change in phase length. Low frequency sensitivity of attenuation is also maintained over the specified frequency range.

These units utilize a multi-turn, non-translating shaft with a locking device.

GENERAL SPECIFICATIONS

Frequency Bands From 350-4400 MHz
RF Power 1 Watt average
Phase with Attenuation . . . 12° max
Connectors * SMA Female standard
Material :
 Body Aluminum
 Connectors Stainless Steel
Finish ARRA Blue per
 MIL-C-22750

Freq Range (GHz)	Atten Range (dB)	Atten vs Freq (± dB)	Ins Loss (Max dB)	VSWR (Max)	Form Factor	Model No. *
0.35-0.5	30	1.5 0.5	3.5	1.5	0-2250	1953-30X
0.5-1.0	30	1.5 0.5	3.5	1.5	4984	2953-30
0.96-1.215	30	0.3	3.5	1.5	4356	2-3953-30X
0.7-1.4	30	1.5 0.5	3.5	1.5	4356	2-3953-30Y
1.0-1.5	30	0.5	3.5	1.5	4356	3953-30
1.5-2.0	30	0.5	3.5	1.5	4356	3953-30X
1.0-2.0	30	1.5 0.5	3.5	1.5/1.6	4356	3953-30Z
2.0-2.4	30	0.3 0.3	3.5	1.5	4840	4953-30
2.3-2.8	30	0.3	3.5	1.5	4840	4953-30X
2.9-3.1	30	0.3	3.5	1.5	4840	4953-30Y
3.7-4.2	30	0.3	6.0	1.5 **	4840	4953-30Z
4.2-4.4	30	0.3	6.0	1.5 **	4840	5953-30

* To specify Type N connectors, precede model number with N. Ex: N1953-30X

To specify panel-mount, precede model number with P. Ex: PN1953-30X

To specify turns-counting dial, precede model number with T. Ex: TN1953-30X

For high power models, contact factory.

** 1.5 VSWR after first 4 dB.

Note: Other models available in limited frequency bandwidths; contact factory.