ARRA INC.
ANTENNA & RADOME RESEARCH ASSOCIATES
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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

Frequeny 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.