

VOLTAGE VARIABLE ATTENUATORS (Narrowband models)

Model Number	Frequency, Center (MHz)	Bandwidth Min (%)	Ins. Loss Typ/Max (db)	Attenuation Range, Min (dB)	Ret Loss Typ/Min (dB)	Package
ATV/30A-05	30	10	0.8/1.6	25	22/14	05
ATV/70A-05	70	10	0.8/1.6	25	22/14	05
ATV/140A-05	140	10	0.8/1.6	25	22/14	05
ATV/260B-05	260	10	0.8/1.6	22	22/14	05
ATV/500B-05	500	10	0.8/1.6	20	20/13	05
ATV/750C-05	750	10	0.8/1.6	15	20/13	05
ATV/850D-05	850	10	0.8/1.6	12	18/12	05
ATV/950E-05	950	10	0.8/1.6	10	18/12	05
ATV/1000E-05	1000	10	0.8/1.6	10	18/12	05
ATV/1200C-63	1200	15	1.2/1.8	15	18/14	63
ATV/1400C-63	1400	15	1.2/1.8	15	18/14	63
ATV/1600C-63	1600	15	1.3/2.0	15	16/12	63
ATV/1800C-63	1800	15	1.3/2.0	15	16/10	63
ATV/1900C-63	1900	15	1.3/2.0	15	16/10	63
ATV/2000C-63	2000	15	1.3/2.0	15	16/10	63
ATV/2200C-63	2200	15	1.3/2.0	15	14/9	63
ATV/2400D-63	2400	15	1.3/2.2	12	14/9	63
ATV/2500D-63	2500	15	1.3/2.2	12	14/9	63
ATV/2800D-63	2800	15	1.4/3.0	12	14/9	63
ATV/3000D-63	3000	15	1.4/3.0	12	14/9	63
ATV/30A-30	30	10	1.3/2.3	40	19/12	30
ATV/70A-30	70	10	1.3/2.4	40	19/12	30
ATV/140A-30	140	10	1.3/2.7	35	19/12	30
ATV/260A-30	260	10	1.3/2.9	35	19/12	30
ATV/500A-30	500	10	1.5/3.0	30	19/12	30
ATV/750A-30	750	10	1.8/3.2	25	19/12	30
ATV/850B-30	850	10	2.0/3.3	20	19/12	30
ATV/950B-30	950	10	1.6/3.3	20	19/12	30
ATV/1000B-30	1000	10	1.6/3.3	20	19/12	30
ATV/30A-32	30	10	0.9/1.7	25	22/14	32
ATV/70A-32	70	10	0.9/1.7	25	22/14	32
ATV/140A-32	140	10	0.9/1.7	25	22/14	32
ATV/260B-32	260	10	0.9/1.7	22	22/14	32
ATV/500B-32	500	10	0.9/1.7	20	20/13	32
ATV/750C-32	750	10	0.9/1.7	15	20/13	32
ATV/850D-32	850	10	0.9/1.7	12	18/12	32
ATV/950E-32	950	10	0.9/1.7	10	18/12	32
ATV/1000E-32	1000	10	0.9/1.7	10	18/12	32

Notes for Narrowband Variable Attenuators:

Many other frequencies, packages, input power, and bandwidth choices are available. Please consult factory.

All models available on package style 05 are available in package styles 03, 12, 14, 15 (Hi-Rel version).

Common Specs: DC Bias: Not required; Input Power: +5 dBm max; Control voltage: 0 to +5V @ 20 mA max.

Standard Operating Temperature Range = -20 to +70, Storage Temperature Range = -40 to +100C

VOLTAGE VARIABLE ATTENUATORS (Wideband models)

Model Number	Frequency, Range (MHz)	DC Bias (Volts)	Ins. Loss Typ/Max (db)	Attenuation Range, Min (dB)	Ret Loss Typ/Min (dB)	Package
ATV/2000A-64A	50-2000	+5V	3.5/5.0	30	20/14	64
ATV/2000A-64B	800-2000	+5V	3.5/4.5	30	20/14	64
ATV/1000A-64A	100-1000	+5V	3.5/5.0	30	20/14	64

Notes for Variable Wideband Attenuators:

All models are available in package styles 15, 16, 21 (High Rel), 30, and 32
 Common Specifications : IP3= +45 dBm (typ), Control Voltage = 0 to +10 V, Min Atten at Max Control Voltage

FIXED MODELS

Model Number	Frequency, Range (GHz)	Nominal Attenuation (dB)	Attenuation Variation (dB)	Ret Loss Typ/Min (dB)	Input Power Max. (W)	Package
ATF/1101	DC-4.2	1	0.25	22/19.5	1	68
ATF/1102	DC-4.2	2	0.25	22/19.5	1	68
ATF/1103	DC-4.2	3	0.25	22/19.5	1	68
ATF/1104	DC-4.2	4	0.25	22/19.5	1	68
ATF/1105	DC-4.2	5	0.25	22/19.5	1	68
ATF/1106	DC-4.2	6	0.25	22/19.5	1	68
ATF/1107	DC-4.2	7	0.25	22/19.5	1	68
ATF/1108	DC-4.2	8	0.25	22/19.5	1	68
ATF/1109	DC-4.2	9	0.25	22/19.5	1	68
ATF/1110	DC-4.2	10	0.25	22/19.5	1	68
ATF/1112	DC-4.2	12	0.30	22/19.5	1	68
ATF/1115	DC-4.2	15	0.40	22/19.5	1	68
ATF/1120	DC-4.2	20	0.50	22/19.5	1	68
ATF/1122	DC-4.2	22	0.60	22/19.5	1	68
ATF/1125	DC-4.2	25	0.80	22/19.5	1	68
ATF/1130	DC-4.2	30	1.00	22/19.5	1	68
ATF/1801	DC-1.5	1	0.20	23/15	2	18
ATF/1802	DC-1.5	2	0.20	23/15	2	18
ATF/1803	DC-1.5	3	0.20	23/15	2	18
ATF/1804	DC-1.5	4	0.20	23/15	2	18
ATF/1805	DC-1.5	5	0.30	23/15	2	18
ATF/1806	DC-1.5	6	0.30	23/15	2	18
ATF/1807	DC-1.5	7	0.30	23/15	2	18
ATF/1808	DC-1.5	8	0.30	23/15	2	18
ATF/1809	DC-1.5	9	0.40	23/15	2	18
ATF/1810	DC-1.5	10	0.40	23/15	2	18
ATF/1812	DC-1.5	12	0.40	23/15	2	18
ATF/1815	DC-1.5	15	0.40	23/15	2	18
ATF/1820	DC-1.5	20	0.40	23/15	2	18
ATF/1825	DC-1.0	25	0.50	23/15	2	18
ATF/1830	DC-1.0	30	0.50	23/15	2	18
ATF/1803/75*	DC-1.5	3	0.20	23/15	2	18
ATF/1806/75*	DC-1.5	6	0.30	23/15	2	18
ATF/1810/75*	DC-1.5	10	0.40	23/15	2	18
ATF/1815/75*	DC-1.5	15	0.40	23/15	2	18
ATF/1820/75*	DC-1.5	20	0.40	23/15	2	18

Notes for Fixed Attenuators:

ATF/11XX series are drop-in replacements for PAT-X series, ATF/18XX series are drop-in replacements for AT-XX series

* denotes a 75 ohm model.

Standard operating and Storage Temperature: -40 to +100C