

3.5 mm and 2.4 mm Step Attenuators

- ◆ *Broadband coverage*
- ◆ *Low insertion loss*
- ◆ *Excellent repeatability*
- ◆ *Programmable*



DESCRIPTION

Step Attenuators with electromagnetic control are designed as programmable devices for input or output signal control in signal generators, frequency synthesizers, spectrum analyzers, measuring receivers and network analyzers.

SPECIFICATIONS

CONNECTORS OF SMA(f) TYPE OR IX TYPE (in accordance with ГOCT 13317-89) for 251 model, 2.4(f) for 1048 and 1078 models

OPERATING CONDITIONS

Operating temperature range: 5 - 40 °C

Relative humidity: 98%

Model	Frequency range	Attenuation, dB (A)	Attenuation step, dB	Insertion loss, dB	Attenuation accuracy, dB	VSWR, max	Input voltage/power, W	Switching time, ms	Supply voltage, V	Number of switchings	Dimensions, mm	Weight, kg
251-06	0-4 GHz	0-110	10	1.2	$\pm(0.2+0.04A)$	1.4	0.2	100	13.5 ± 1.5	$2 \cdot 10^5$	138x55x26	0.35
251-07	0-8 GHz	0-110	10	2.0	$\pm(0.2+0.04A)$	1.7	0.2	100	13.5 ± 1.5	$2 \cdot 10^5$	138x55x26	0.35
251-08	0-12 GHz	0-110	10	2.3	± 2.6 to 60 dB $+(0.2+0.04A)$ to 110 dB	1.75	0.2	100	13.5 ± 1.5	$2 \cdot 10^5$	138x55x26	0.35
1068	0-18 GHz	0-110	10	2.8	± 3.2 to 60 dB $\pm(0.25+0.05A)$ to 110 dB	1.8	0.2	100	13.5 ± 1.5	$2 \cdot 10^5$	138x55x26	0.35
1048	0-37.5 GHz	0-35	5	3	± 2.5	1.8 (to 26.5 GHz) 2.2 (to 37.5 GHz)	0.2	100	13.5 ± 1.5	$2 \cdot 10^5$	110x56x26	0.35
1078	0-26.5 GHz	0-55	5	2.5	± 2.5	1.8	0.2	100	13.5 ± 1.5	$2 \cdot 10^5$	110x56x26	0.35