

RF Step Attenuators

Attenuation steps and accuracy of RSM and RSN

Frequency	RSM: attenuation steps and accuracy (referred to 0-dB setting)								dB
	10	20	30	40	50	60	70 to 80	90 to 110	
≤8 GHz	±0.3	±0.4	±0.5	±0.5	±0.7	±0.8	±1.0	±1.5	dB
≤12.4 GHz	±0.4	±0.6	±0.7	±0.7	±0.9	±1.2	±1.4	±2.1	dB
≤18 GHz	±0.5	±0.7	±0.9	±0.9	±1.2	±1.4	±1.8	±2.7	dB
≤26.5 GHz	±0.7	±0.9	±1.0	±1.5	±1.8	±2.1	±2.9	±3.7	dB
Frequency	Accuracy of correction values for 0 to 40				50 to 80			90 to 110	dB
≤26.5 GHz	±(0.2+0.004·A)				±(0.4+0.008·A)			±(0.6+0.013·A)	dB

Max. attenuation and accuracy of correction values

Frequency	RSN: attenuation steps and accuracy (referred to 0-dB setting)										dB
	1	2	3	4	5	6	7 to 8	9 to 10	11		
≤8 GHz	±0.15	±0.15	±0.2	±0.2	±0.2	±0.25	±0.25	±0.3	±0.3	dB	
≤12.4 GHz	±0.2	±0.25	±0.35	±0.35	±0.35	±0.4	±0.45	±0.5	±0.55	dB	
≤18 GHz	±0.3	±0.4	±0.45	±0.45	±0.45	±0.5	±0.55	±0.65	±0.7	dB	
Frequency	Accuracy of correction values for 0 to 11										dB
≤8 GHz	±0.15										dB
≤18 GHz	±0.2										dB

Max. attenuation and accuracy of correction values

Each device is supplied with a test report showing the attenuation characteristics of the pads as well as the residual attenuation.

test & measurement instruments

DPSP: DC to 2.7 GHz**0 to 139 dB****in 1-dB steps**

Photo 26970



DPSP can be mounted into 19" racks using an adapter. The connectors can be refitted from the front to the rear panel with no change of cables being involved.

DPS: DC to 2.7 GHz**0 to 139 dB****in 1-dB steps****Independent of AC supply**

Photo 26972



RF Step Attenuator DPS features manual operation and the same electrical characteristics as the programmable DPSP. The desired attenuation is set with decade switches.

Built-in batteries, which are charged during AC supply operation, make DPS ideal for all applications where a power cable would be troublesome, eg in servicing and in outdoor measurements.

DPSP, DPS

RF Step Attenuator DPSP allows manual settings with two rotary switches,

the carry being executed automatically. For remote control, DPSP has an IEC/IEEE-bus interface and can be used in automatic test systems.

