

SIGNAL PROCESSING

Get into IFoLP technology



RM-1U-B

Distribution rack Baseband

IF 1-200 MHz
Gain 0 dB or 20 dB
6 inputs
24 to 30 outputs



IN SNEC

Applications

- RF signal spread
- Clock distribution

Mean features

- This equipment dispatches and amplifies RF signals in 1- 200 MHz bandwidth. It features 6 identical RF cells with 4 distributed outputs each, plus one test output and an extra output. It is fitted for modulating the distribution by strapping one of these output to another input cell. The extra output can also be used to provide 5 operational outputs to a given input signal, hence making the drawer a 6 inputs to 30 outputs distribution device.
- The distribution rack is available in 2 versions:
 - ◆ Version A: SM01002045A for 0 dB gain (default value)
 - ◆ Version B: SM01002045B for 20 dB gain.

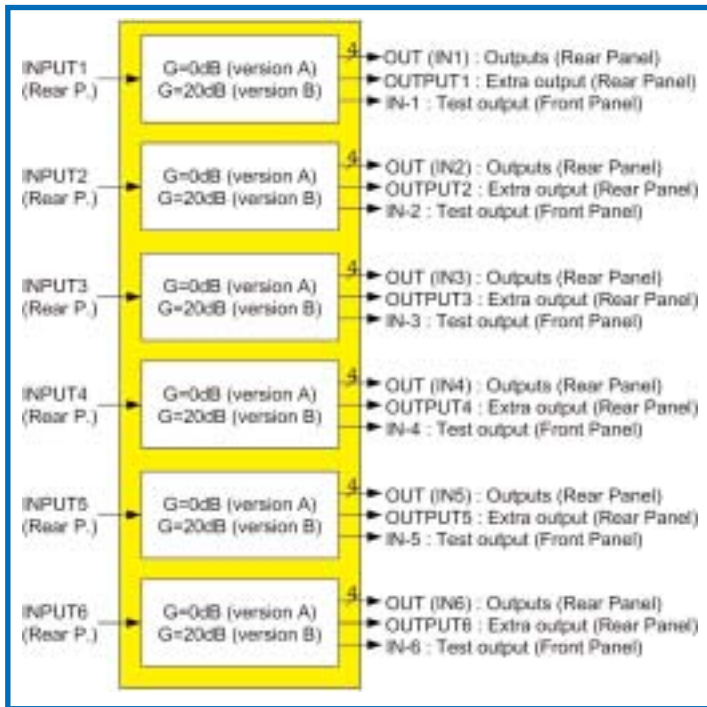
Technical characteristics

■ Bandwidth	1-200 MHz
■ Input return loss	15 dB
■ Max input level	6 dBm (version A) -14 dBm (version B)
■ Noise figure (typical)	8 dB (version A)
■ Isolation between outputs	> 80 dB for 2 different inputs
■ Input / Output gain	0 dB (version A) 20 dB (version B)
■ Input / test output gain	0 dB
■ Input / extra output	0 dB (version A) 20 dB (version B)
■ Accuracy	± 1dB
■ Ripple	125-159 MHz ± 0.5 dB 1-200 MHz ± 1 dB
■ Output return loss	15 dB

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Interfaces

- ◆ Front panel
 - Test outputs 6 BNC female
- ◆ Rear panel
 - RF inputs 6 SMA female
 - Extra outputs 6 SMA female
 - Distribution outputs 24 SMA female



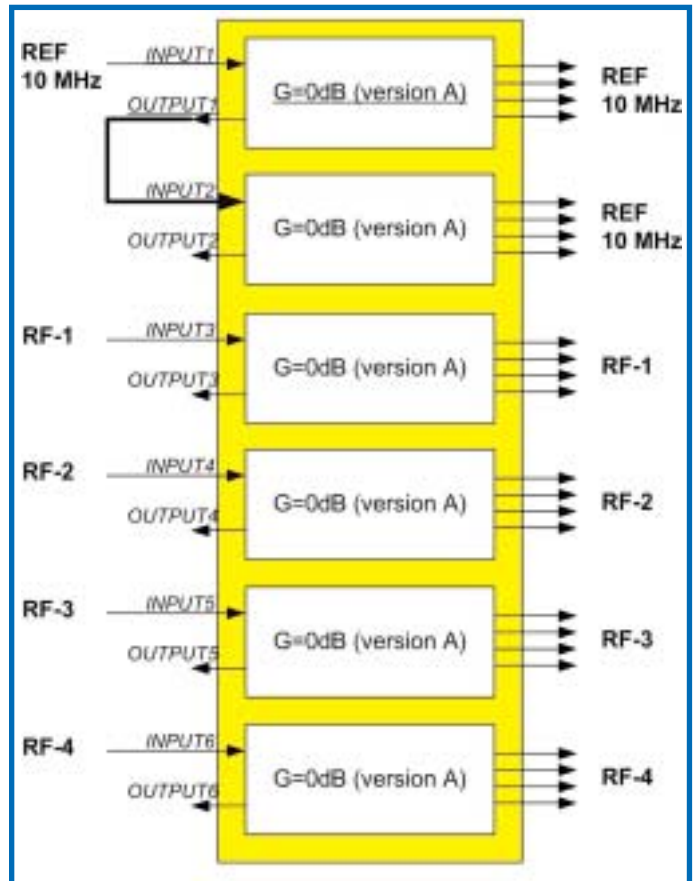
Block diagram

Mechanical characteristics

◆ Dimensions	Rack	19 "
	Height	1U
	Depth	13" (330 mm)

Power supply

- ◆ Voltage 85-264 VAC ; 47-440 Hz



Example of distribution
One 10 MHz reference to 8 outputs
4 RF signal to 4 outputs

Ordering information

■ Model references

Gain 0 dB	SM01002045A
Gain 20 dB	SM01002045B



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ISO 9001/n°1533386
AQAP 2110/n°1533386
AS/EN 9100/n°1533386
ISO 14001/n°1571249



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