

Appendix

Technical Data of Mixer R&S MUF2-Z2

Frequency range	25 MHz to 1000 MHz
Amplitude frequency response	
Over 10 MHz	≤0.1 dB
25 MHz to 800 MHz	≤1.5 dB
800 MHz to 1000 MHz	≤3.0 dB
Conversion loss	20 dB ±1 dB
Return loss	
Input	≥20 dB
Output	≥10 dB
Mixer LO input level	100 mV to 250 mV
Mixer input level	≤100 mV
Intermodulation (dual-sound measurement, carrier level lowered by 6 dB in each case)	
100 mV	typ. 70 dB down
50 mV	≥70 dB down
Spurious (at 50 mV)	≥70 dB down (vision/sound = 0/-10 dB)
Crossmodulation (at 100 mV)	≥70 dB down (vision/sound/SB = -8/-10/-16 dB)
Supply voltage	15 V