

ELECTRICAL SPECIFICATIONS**MR301B Power**

Id-No:	150047
Frequency range & bandwidth	Up to 25 MHz in GSM900
Frequency selectivity; Gain outside operating band	± 400 kHz: 50 dB max.; ± 600 kHz: 40 dB max. ± 1000 kHz: 35 dB max.; ± 5000 kHz: 25 dB max.
Gain (nominal)	85 dB
Gain adjust	0 to 30 dB in steps of 2 dB
Gain variation over frequ. and temp. Tolerance per step	± 2.5 dB (± 3.5 dB at extreme temperature range)* ± 0.5 dB from 0 to 6 dB attenuation ± 2.0 dB from 8 to 30 dB attenuation
Delay	6 μ sec.max.
Delayripple	150 ns
Output power ALC limit (test case) at 2 equal carriers	30 dBm (@ 25° C) +27 dBm / +27 dBm*
ICP3	58 dBm @ max. gain
ALC limit tolerance of frequency and temperature	± 3 dB
ALC overload reaction time delay	3 msec. (others available on request)
Noise figure	6 dB @ max. gain; 8 dB @ 75 dB gain;
Test coupler	30 dB
Return loss (@ 25° C amb. temp.)	15 dB
Power Supply	230 Vac $\pm 15\%$ / 40.-65 Hz; Option:24 Vdc or 42 - 60 Vdc or 80 – 130 Vdc, 115 Vac $\pm 15\%$ / 40.-65 Hz or 185 – 320 Vac / 40 - 65 Hz
Power consumption (1 module)	160 Watts
Remote control interface	SM 2009
Connectors	7/16 female; N as an option
Environmental and Safety	see Environmental and Safety leaflet for MIKOM outdoor cell enhancers
Built in test equipment	Current monitor • synthesizer lock monitor • temperature • ALC active
Alarm forwarding	Potential free relay contact and automatic alarm call via RS232 or PCMCIA interface
Control functions	Gain • Center frequency • ALC threshold

* Normal temp.range + 5° C to + 40°C