

X-BAND REPEATER BLOCK



The repeater block is used for weak X-band RF signals amplifying from two antennas. The gain is carried out by two blocks of amplifiers and bandpass filters. X-band repeater block is applied in GSM / MVDS / MITRIS systems

Parameter	Value
Frequency ranges:	
amplifier 1	7.839 GHz (with bandwidth 40 MHz)
amplifier 2	8.150 GHz (with bandwidth 40 MHz)
Gain of amplifiers 1 and 2, dB, not less	35
Noise figure of amplifiers 1 and 2, dB, not more	5.0
Output Power @P1dB, dBm	23
Output Power of amplifiers 1 and 2, dBm at level IMD3 – 45dBc, not less	+15...16
Gain flatness over frequency range (amplifiers 1 and 2), dB, not less	+/- 0.6
Input/output, not more	1.5

Input/output interfaces	Waveguide flanges WR-112
Return loss at Repeater Block inputs/outputs , not more	15 dB
Connectors for supply voltage	PC4
Supply voltage , V	+15...+30 VDC
Supply current , mA	300 mA max
Operating temperature	From –30 to +60°C
Operating humidity	from 0% to 95%
Dimensions (W x H x D)	134 x 47.9 x 178.8
Weight , kg	up to 3 kg

Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters

listed on each device webpage.

Note! All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.