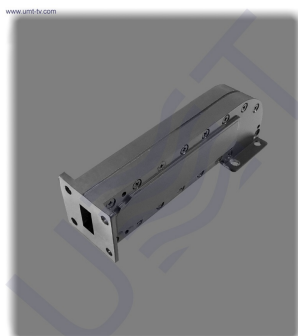


## KU-BAND LOW-PASS FILTER



This waveguide low-pass filter is used in Ku band for transmitting all frequencies below a cutoff frequency, substantially attenuating frequencies above

### Ku-band low-pass filter:

- **removes** the short-term signal fluctuations
- **decreases** out of range noise
- **selects** a narrow range of frequencies from the whole range of ambient radio waves

| Parameter  | Value               |
|--|---------------------|
| <b>Filter type</b>   | waveguide low-pass  |
| <b>Waveguide type</b>  | WR75                |
| <b>Waveguide flange types</b>  | UBR120 and PBR120   |
| <b>Cutoff frequency, GHz</b>   | 12.75               |
| <b>Filter characteristic type</b>  | Chebyshev/Batervord |
| <b>Amplitude-frequency characteristic unevenness of filter in bandwidth, dB, max</b> | +/- 0.5             |
| <b>Real loss in bandwidth, dB, max</b>   | 1                   |
| <b>Rejection from transmission band edge of 100 MHz, dB, not less</b>                | 45                  |
| <b>VSWR, max</b>   | 1.5                 |
| <b>Case material</b>   | Aluminium alloy     |

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.