# CUSTOMIZED KA-BAND BUC



3 easy steps to obtain special development from our company:

**1. Click button "request/customized".**

**2. Fill needed parameters.**

**3. Wait for our reply.**

P.S. We will reply you as soon as possible after query processing in accordance to our business hours.

| **Input parameters** | |
|---|---|
| Input frequency range, MHz | 950 – 1950 |
| Input impedance, Ohm | 50 |
| Input level, max, dBm | -2 |
| Input VSWR, max | 1.5 |
| Input interface | N-type, female |
| ALC range, min, dB | 25 |
| ALC threshold level, dBm | -27 |
| **Local oscillator** | |
| LO frequency, GHz | 26.55 |
| LO phase noise, dBc/Hz : | |

| | |
|---|---|
| @1 kHz | -80 |
| @10 kHz | -85 |
| @100 kHz | -100 |
| LO instability, ppm | ± 2 |
| **Output parameters** | |
| Output frequency range, GHz | 27.5-28.5 |
| Output power @P1dB, W | 1 |
| ALC output power, mW | 100 |
| Gain, min, dB | 47 |
| IMD3 level at ALC output, dBc power, max | -37 |
| Output interface | waveguide WR28, flange PG599/U |
| Output VSWR, max | 2 |
| **Frequency response** | |
| Flatness over Full Band, dB | ± 1.5 |
| Spurious | |
| In-band P1dB, max, dBc | -55 |
| Out-Band, max, dBm | -30 |
| LO leakage at ALC output, dBm power, max | -40 |
| Image rejection, min, dB | 60 |
| **Power supply** | |
| Input voltage, VDC | 18-30 (nominal 24) |

| | |
|---|---|
| Power consumption, max, W | 1 |
| **Environmental** | |
| Operating temperature, °C | -40 ... +50 |
| Storage temperature, °C | -60 ... +80 |
| Operating humidity, % | 100 (non-condensing) |
| **Mechanical** | |
| Dimensions (W x H x D), mm | 116×49×91 |
| Weight, kg | 0.86 |

*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.*