

BUC-KU40-9.75 + IP CTRL



BUC-Ku40-9.75 + IP Ctrl

40 W () 46 dBm 9.75 GHz.
sat

25C 10 MHz

ALC -9 . P +4 dB
ALC

+ LED .

BUC-Ku40 is designed for MVDS TV broadcasting systems application in accordance with DVB-S/S2 and operates with up to 25 carriers. BUC-Ku40 has output flange of PBR120 type and can be used with regular radio-relay link or broadcast antennas. BUC-Ku40 supports all modulation types up to 32APSK. BUC-Ku40 has the best linearity parameters to ensure the stability of the output frequency and low IMD3 level (these parameters are very important for high quality modulation, therefore the local oscillator of BUC-Ku40 is locked by PLL with internal frequency reference).

KEY FEATURES:

- Output flange: PBR120
- Output power (P_{sat}, min): 40 W
- Any LO frequency by order: 8.8, 9.75, 10.6, 10.75, 10.8, 11.3, 11.8, 12.8, 13.05 (or other by request)
- Output frequency range: any 800-1000 MHz in Ku-band (10-15 GHz) by order
- Input frequency range: 950 – 1750 MHz (950-1950 MHz by order)
- Gain (min): 71 dB
- Highly stable internal frequency reference
- LO is locked by PLL with internal frequency reference

- IMD3 level at ALC output power (the lowest value): -37 dBc max
- Operates with up to 20 carriers
- Supported modulation types: up to 32APSK

:	
	950 – 1750 MHz (950-1950 MHz)
	50 Ohm
	-15 dBm
VSWR	1.5
	N-type Female
ALC	25 dB
:	
LO	9750 MHz ()
LO:	
@1 kHz	-80 dBc/Hz
@10 kHz	-85dBc/Hz
@100 kHz	-100dBc/Hz
LO	± 2ppm
:	
	10700 – 11500 MHz ()
Psat	46 dBm
ALC	PALC36 dBm*
ALC ()	-9 ... +4 dB from PALC

		72 dB
IMD3	ALC	-37 dBc
		Waveguide WR75, Flange PBR120
VSWR		2
		:
		±1.5 dB
		:
	Psat	-55 dBc
		-30 dBm
LO	ALC	-40 dBm
		60 dB
		:
		20 VDC – 55 VDC, nominal 48 VDC
		< 100 W
		:
	IF	N-type female
	RF	WR75 (PBR120)
	DC	C90-3102R10SL-4P
		UTS014E19P
		ALC Ethernet

LED:	<ul style="list-style-type: none"> – OK – MUTE – AGC –
:	
	-30 to +55
	-40 to +70
	100%, non-condensing
:	
	260x135x92 mm
	5 kg

(UMT LLC)

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