



GENERAL DESCRIPTION

EM Research's TBUC series delivers three block up-converters in a single compact package. Any one of three satellite Ka bands may be selected using a standard communication protocol such as CAN, RS-232, or I2C. TBUCs can be customized to deliver any three frequency bands within the 27500 to 31000 satellite band.

TBUC SERIES FEATURES

- Three digitally selectable Ka Band frequency ranges
- Integrated filters
- Gain control
- Low power consumption
- Low phase noise
- Low spurs
- Integrated output isolator

TBUC SERIES OPTIONS

- Wide choice of frequency ranges
- CAN, RS-232, I2C, or SPI control
- Internal / External references

GENERAL SPECIFICATIONS

Input Frequency	950 to 1950 MHz
Band 1 Output Frequency	27500 to 28500 MHz
Band 2 Output Frequency	28500 to 29500 MHz
Band 3 Output Frequency	29000 to 30000 MHz
Spurious	-60 dBc Max
Conversion Gain	0 dB
Gain Adjust Range	30 dB, 0.1 dB steps
Supply	12 V DC @ 950 mA



APPLICATIONS

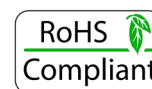
- Satellite Communications

PHASE NOISE (dBc / Hz)

Offset	TYP (dBc/Hz)
10 Hz	-35
100 Hz	-65
1 KHz	-78
10 KHz	-88
100 KHz	-98
1 MHz	-120

Final product specifications will vary upon customer's parameters

See more at
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