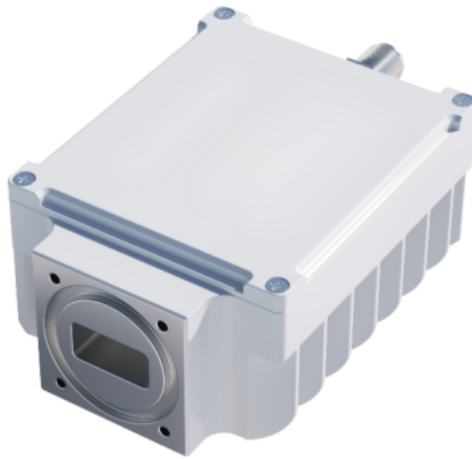




Ku BUC 3W



➤ Product features

Ku-band BUC 3W mainly includes transmitting channel, power amplifier, and local oscillator circuit; it up-converts the L-band intermediate frequency signal to Ku-band power amplification and transmits it to the satellite. The product is characterized by miniaturization (the smallest of similar products), and the products are widely used in Ku-band VSAT systems.

Low power consumption; small size; low phase noise; performance indicators have reached the international advanced level.

➤ Main indicator parameter

Parameter name	Typical value
Model	SP-k14-44
Output frequency	14.0GHz~14.5GHz (basic frequency band) 13.75GHz~14.5GHz (extended frequency band)
Input frequency	Basic frequency band: 0.95-1.45GHz Extended frequency band: 0.95-1.70GHz
RF output power P1dB	34.5dBm
Linear gain	60dB typ., 65dB max.
IMD3	-26dBc@Linear Power Backoff 3dB Test



Parameter name	Typical value
Model	SP-k14-44
Spurious	-55dBc max
Gain flatness	4dB
Phase noise	≤ -65 dBc/Hz@ 100 Hz
	≤ -75 dBc/Hz@ 1 kHz
	≤ -85 dBc/Hz@ 10 kHz
	≤ -95 dBc/Hz@ 100 kHz
Input interface	F-type connector (optional N-type connector)
Output Interface	WR-75G
Input standing wave	2:1 typ.
Power supply and power	18~36VDC, 17W@34dBm
Volume	91.55mm×68mm×42.5mm
Weight	≤ 0.33 kg
Operating temperature	-40°C~60°C

