

CCT TRANSCEIVER KU 50W

◎ **Ultra compact, powerful - fast and easy to change.**

The CCT Transceiver Ku 50W with CommuniCase® Technology. Part of the most versatile terminals available.

Ku-band now, X-band in a couple of minutes and Ka-band after that? – No problem! - The CCT Transceiver Ku 50W is one of the seven modules of the CommuniCase® Technology's (CCT) unique architecture providing you with a system that you can change key characteristics easily and cost effectively. Change CCT Transceiver package and you are ready for a new band/satellite!

The innovative CCT SDS (Smart Distributed System) detects which CCT Transceiver you have inserted and automatically updates the system and the GUI – no installation, no CDs, no hassle – the GUI will adapt and change!

Allowing you to focus on the mission and us on the technology.

KEY FEATURES

Future proof – A modular system allowing you to change key characteristics of your existing SWE-DISH Suitcase system leveraging your investment – enabling true flexibility.

Easy to use – The market unique CCT SDS (Smart Distributed System) enables you a easy way of changing your system and the system automatically adjusts – hassle free operations.

Rapid change of configuration – The modular design and easy-to-change transceiver allows you to in less than 3 minutes a different band/satellite – full freedom.

Super power and super compact – At the same time the CCT Transceiver Ku 50W delivers unsurpassed power in the smallest package.



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A DATA PATH COMPANY



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GENERAL FEATURES

Features	Ultra low loss due to feed-arm mount and short waveguide, Advanced M&C through unified GUI CTT SDS enabling easy change of bands or power Less than 3 minutes to change to another band
Size	Approximately 400 x 460 x 100 mm (Approx. 15.7 18.1 x 3.9 in)
Weight	Approximately 10.5 Kg (App 22 lb)
Operating temperature	-32° C to +50°C (-26° F to +122° F)
Sealing class	IP65

BUC & SSPA

Output frequency	13.75 – 14.50 GHz
Local oscillator frequency	12.80 GHz
Reference oscillator stability	±0.1 ppm
Gain stability	BUC: ± 0.5 dB, SSPA: ± 0.5 dB @ 0°C to +50°C
Gain flatness	Maximum ±1 dB
Output power (P _{sat} /P _{1 dB})	47 / 46 dBm (50 / 40 W)
Gain	Minimum 48 dB
Phase noise	@ 1 kHz:Maximum –73 dBc/Hz @ 10 kHz:Maximum –83 dBc/Hz @ 100 kHz:Maximum –93 dBc/Hz @ 1 MHz:Maximum –103 dBc/Hz
Gain adjustment	15 dB, 0.1 dB resolution
Spurious	–60 dBm (in band non carrier related) –50 dBc (in band carrier related)
Out of band noise	< -140 dBW/4 kHz

LNB	LNB1	LNB2	LNB3
RF Frequency range	10.95 – 11.70 GHz	11.70 – 12.20 GHz	12.25 – 12.75 GHz
Local stability	±2.5 ppm (optional: External reference LNB with ±0.1 ppm)		
Noise figure	0.8 dB typical @ 25°C (77°F)		
Conversion gain	60 dB typical @ 25°C (77°F)		
Conversion gain variation	Maximum 2 dB in any 50 MHz segment over the frequency band		
Phase noise	@100Hz: –57 dBc/Hz, @1kHz: –67 dBc/Hz		
Spurious	Maximum –50 dBc, with test CW signal –10 dBm IF output		

Specifications are subject to change without notice, and this datasheet will not form part of any contract. 2009-04-27