

CCT TRANSCEIVER KU 180W

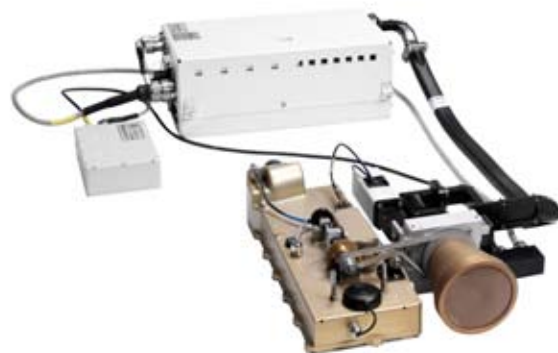
- ◎ ***Ultra compact and powerful enabling a sleek and attractive pod.***

The CCT Transceiver Ku 180W is based on the CommuniCase® Technology. Part of the most versatile terminals available.

The **CCT Transceiver Ku 180W** - is one of the seven modules of the CommuniCase® Technology's (CCT) unique architecture providing you with a system that can change key characteristics. Two versions are available CCT Transceiver Ku 180W and CCT Transceiver Ku 180W Co-pol.

The innovative CCT SDS - (Smart Distributed System) detects with CCT Transceiver you have 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

Super power and super compact - At the same time the CCT Transceiver Ku 180W delivers unsurpassed power in the smallest package.

Future proof - A modular system allowing you to upgrade key characteristics of your existing SWE-DISH Drive-Away terminal leveraging your investment.

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.



CCT TRANSCEIVER KU 180W

GENERAL FEATURES

Features	Low loss due to short waveguide Advanced M&C through unified GUI
Size	Feed kit: 400 x 460 x 100 mm (15.7 x 18.1 x 3.9 in) BUC: 109 x 43 x 178 mm (4.3 x 1.7 x 7.0 in) TWTA: 133 x 348 x 183 mm (5.2 x 13.7 x 7.2 in)
Weight	15.5 Kg (32.5 lb)
Operating temperature	-15° C to +45° C (+5° F to +113° F)
Sealing class	IP65
Polarization	CCT Transceiver Ku 180W: Linear, Cross-pol CCT Transceiver Ku 180W Co-pol: Linear, Cross- and co-pol (switchable)
Polarization range	190°

BUC & SSPA

Output frequency	13.75 – 14.50 GHz	
Local oscillator frequency	12.80 GHz	
Reference oscillator stability	±0.05 ppm	
Gain stability	BUC: ± 0.5 dB @ 0° C to +40° C	TWTA: ±0.5 dB @ 0° C to +45° C
Gain flatness	Maximum ±1 dB	
Output power (Psat)	51.8 dBm	
Phase noise	@ 1 kHz: Maximum –80 dBc/Hz @ 10 kHz: Maximum –85 dBc/Hz @ 100 kHz: Maximum –95 dBc/Hz @ 1 MHz: Maximum –120 dBc/Hz	
Gain adjustment	BUC: 0 – 25 dB in 0.5 dB steps	TWTA: 61 dB - Fixed gain
Spurious	–60 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	±3 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. 2008-08-29