

Feed systems

Universal quatro feed system 10.70-11.70 & 11.70-12.75 GHz

UAS 585

20110020



- For reception of satellites in the Ku-band, such as ASTRA, EUTELSAT/HOTBIRD and TürkSat
- The feed system complies with the ASTRA specifications for universal feed systems
- For community antenna network systems with two polarisations and two frequency ranges (low band/high band or analogue/digital)
- For linear polarisation
- Equipped with quatro LNB, switchable (four outputs)
- Option to select horiz./vert., low band/high band from each receiver
- Switch-over horiz./vert., low band/high band via the coax cable through 14/18 V and 22 kHz
- For four connections without additional multi-switch
- Extendable to up to 16 connections with EXR 15xx multi-switches
- Power supply via drop cable
- Multifield-suitable due to compact design
- Full protection of LNB and cable connections in a ventilated housing, protection category IP 54

Type		UAS 585
Order no.		20110020
Suitable for parabolic antennas		CAS 60/75/90/120
Polarisation		Switchable: vertical (14 V), horizontal (18 V)
Input frequency	GHz	Switchable: 10.70-11.70 (0 kHz), 11.70-12.75 (22 kHz)
Feed system noise figure/25 °C	dB	0.8
Gain	dB	> 50
Output frequency	MHz	950-1,950/1,100-2,150
Oscillator frequency (L.O.)	GHz	9.75/10.60
Phase noise (L.O.: 10.60 GHz)	dBc	1 kHz: -60, 10 kHz: -80, 100 kHz: -85
System figure of merit (G/T) (at 11.3/12.5 GHz)		
With CAS 60:		14.7/15.7
With CAS 75:		17.2/18.2
With CAS 90:		18.8/19.8
With CAS 120:		22.0/23.0
Polarisation decoupling	dB	25
Output/impedance	Ω	4 x F-type connector/75
Supply voltage LNB	V	Switched mode: Vertical: 11.5-14.8; horizontal: 15.5-19.0 Operation with multi-switches: Horizontal/low: 15.5-19 V, all other modes: 0 V
Current drain LNB	mA	Typ. 200
Dimensions	mm	235 x 135 x 44
Packing dimensions	mm	295 x 185 x 65
Weight appr.	kg	1.16