

connecting the future



THSI 01 Universal Single LNB, High Gain +5 dB, RAL 7035

Article number: 304480

Product description:

THSI 01 Single universal. Full KU-band coverage for both analogue and digital reception. Excellent noise figure and low phase noise. High gain and excellent cross-pole isolation. High output and low power consumption. Gain flatness. Supplied water stop. Single packed in gift box

Specifications

ORDER INFORMATION	
EAN Number	5702663044807
CHARACTERISTICS	
Phase noise @ room temperature - 1 kHz	- 50 dBc/Hz
Phase noise @ room temperature - 10 kHz	- 75 dBc/Hz
Phase noise @ room temperature - 100 kHz	- 95 dBc/Hz
Spurious level	- 60 (max.) dBm
Image rejection (min.)	40 dB
Feedhorn F/D @ 11.7	0.615

Feedhorn diameter	Ø 40 mm
Frequency stability (-40 ~ +60 °C)	± 2.1:1 MHz
LNB type	Single
Switching low band	0.0 kHz
Switching high band	22 (± 4) kHz
FREQUENCY	
Input frequency low band	10.7 - 11.7 GHz
Input frequency high band	11.7 - 12.75 GHz
Output frequency low band	950 - 1950 MHz
Output frequency high band	1100 - 2150 MHz
L.O. frequency low band	9.75 GHz
L.O. frequency high band	10.6 GHz
GAIN	
Gain flatness (across 26 MHz segm)	± 1.0 (typ.) dB
Gain variation (over operating band)	5 p-p (typ.)
Conversion gain (max.)	68 dB
Conversion gain (min. at room temperature)	55 dB
Conversion gain (typ.)	< 68 dB
Noise figure max.	0.3 dB
ISOLATION	
Cross polarization isolation	25 typ. dB
OPERATIONAL	
DC Current consumption	100 mA
Operating voltage vertical	10.5 ~ 14.5 V/DC
Operating voltage horizontal	15.5 ~ 21.0 V/DC

Operating temperature range	-40 ~ +60 °C
CONNECTORS	
Connector Type	F-female
MECHANICAL	
Max. depth incl. feedhorn	135 mm
Product Height	137 mm
Product Depth	97 mm
Product Width	59 mm
Colour	RAL 7035
Packing QTY	50
Packaging Height	0,062 m
Packaging Width	0,062 m
Packaging Depth	0,120 m
Net Weight	0,112 kg
Tara Weight	0,028 kg
Total Weight	0,140 kg
