

GK-K82-21

LNBF Ku Band CASS

- Stacked LNBF +Terrestrial
- Easy Installation (40mm)
- Excellent Performance
- Low Power Consumption
- 100% Water Leak Proof



RoHS
COMPLIANT

Parameter	Specification
Input	VHF/UHF
Output	VHF/UHF/Satellite
Connectors	Female F type
Operational temperature range	- 30° C ~ + 60° C
External feeder diameter	40 mm
Plastic F connector protection	Yes
Feed horn	For offset antenna
Input frequency range (Vertical)	12,06 ~ 12,70 GHz
Input frequency range (Horizontal)	12,20 ~ 12,68 GHz
Terrestrial input frequency range	174 ~ 700 MHz
Output frequency range @ 950 ~ 2150 MHz	Vertical @ 1.510 ~ 2.150 MHz Horizontal @ 950 ~ 1.430 MHz
Polarization	H / V
Noise figure	< 1dB
F/D ratio	0,60 + 0,02
Band Rejection – Vertical Polarization	> 20 dB (@ 700 ~ 1.435 MHz)
Band Rejection – Horizontal Polarization	> 20 dB (@ 1.505 ~ 2.160 MHz)
Terrestrial to CASS output Rejection	> 30 dB (@ 950 ~ 2.150 MHz)
Cross Polarization	> 20 dB
Local Oscillator 1 (Vertical Polarization)	10.550 MHz
Local Oscillator 2 (Horizontal Polarization)	11.250 MHz
Temperature L. O. stability @ 25°C	+ 1,0 MHz
Temperature L. O. stability (-30°C +60°C)	+ 2,0 MHz
L.O. phase noise @ 1 kHz	- 60 dBc/Hz
L.O. phase noise @ 10 kHz	- 80 dBc/Hz
L.O. phase noise @ 100 kHz	- 90 dBc/Hz

Parameter	Specification
Terrestrial port insertion loss	< 2 dB (@ 174 MHz ~ 700 MHz)
Conversion gain	52 ~ 65 dB
Flatness gain (950 ~ 2.150 MHz)	+ 3,0 dB
Flatness gain @ 36 MHz	+ 1,00 dB
1 dB Compression point	> + 3 dBm
VSWR	2,0:1
Image rejection	> 40 dB
Output return loss	> 10 dB
In band spurious level	< - 60 dBc
Spurious level @ 1400 MHz (2nd harmonic)	< - 60 dBm
Output impedance	75 Ω
DC Power	16,0 V ~ 20,0 V
Current consumption	< 200 mA @18 V

* CE Conformity assessment through ETC

** WEEE / RoHS Conformity assessment through Bureau Veritas



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