

## Dual Polarity and Universal LNBF C&KU Band

### Specifications : INFOSAT Model.LNB CKU-01

Model No.	C-Band	Ku-Band	
		Low Band	Hi Band
Input Frequency Range	3.4 ~ 4.2 GHz	10.7 ~ 11.7 GHz	11.7 ~ 12.75 GHz
Output Frequency Range	950 ~ 1750 MHz	950 ~ 1950 MHz	1100 ~ 2150 MHz
L.O. Frequency	5.15 GHz $\pm$ 1 MHz	9.75 GHz	10.6 GHz
Noise Figure	17 <sup>o</sup> K	0.6 dB (typ.)	
F/D Ratio	0.5~0.7	0.5~0.7	
Input Reflector Type	Prime Focus	Offset	
Cross Pol. Isolation	-	20 dB (typ.)	
Conversion Gain	65 dB	55 dB	
Gain Flatness	$\pm$ 0.75 dB / 36 MHz	$\pm$ 0.5 dB / 27 MHz	
L.O. Frquency (25 <sup>o</sup> C)	$\pm$ 2.5 MHz	$\pm$ 1 MHz	
Stability (-30 <sup>o</sup> C~ 60 <sup>o</sup> C)		$\pm$ 3 MHz	
L.O. Phase Noise (1 KHz Offset)	- 50 dBc/Hz	- 55 dBc/Hz	
(10 KHz Offset)	- 75 dBc/Hz	- 80 dBc/Hz	
(100 KHz Offset)	- 95 dBc/Hz	- 100 dBc/Hz	
Image Rejection	45 dB (min.)	45 dB (min.)	
Output VSWR	2.5 : 1 (MAX)	2.5 : 1 (MAX)	
Output Connector	75 $\Omega$ F Type (Female)	75 $\Omega$ F Type (Female)	
D.C. Current Consumption	250 mA (typ.)	130 mA (typ.)	
Polarity Switching Voltage	Vertical : 10 ~ 13.5 V Horizontal : 15.5 ~ 25 V	Vertical : 11.5 ~ 14 V Horizontal : 16 ~ 19 V	
Band Switching Low Band	-	0 KHz	
Hi Band		22 KHz $\pm$ 4 KHz continuous tone signal	
Operating Temperature	-30 <sup>o</sup> C ~ 70 <sup>o</sup> C	-40 <sup>o</sup> C ~ 60 <sup>o</sup> C	
Warranty Term	12 Months		

Specifications are subject to change without notice.

