

Innovative Communication Solutions

7200HTCF

7000 Triple-Band Ka-Band PLL LNB

Frequency: C: 17.90 - 18.30 GHz | 18.30 - 19.30 GHz | 19.30 - 20.30 GHz L.O. Stability: +/- 25 kHz Output Connector: F: 75 Ohm

REACH





KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	17.90 - 18.30 GHz
Input Frequency Band 2	18.30 - 19.30 GHz
Input Frequency Band 3	19.30 - 20.30 GHz
LO Frequency 1	16.95 GHz
LO Frequency 2	17.35 GHz
LO Frequency 3	18.35 GHz
LO Stability	±25 kHz
LO Туре	PLL
Noise Figure Max	1.5 dB
Noise Figure Typ	1.3 dB
Number Of Onboard Los	Triple-Band
Output Frequency Band 1	950 - 1350 MHz
Output Frequency Band 2	950 - 1950 MHz
Output Frequency Band 3	950 - 1950 MHz
Tone Frequency	22 kHz ± 4 kHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	13V / 22kHz Tone
Control Signal 3	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB





			Innovative Comr	munication Solution	
Conversion Gain Typ			60 dB		
Gain Flatness (over Fi	ull Band)		≤ 5 dB p-p max.		
Input VSWR			2.5 : 1 max.		
Output P1db			+ 5 dBm min.		
ELECTRICAL	SPECIFICATIO	NS			
Current Consumption			450 mA max		
Power Requirements			+12 to +24V DC		
INTERFACE S	SPECIFICATION	S			
IF Connector			F-Connector		
RF Input Connector			WR-42 Waveguide Grooved		
ENVIRONMEN	NTAL SPECIFIC	ATIONS			
Humidity			0 - 100%		
IP Rating			IP 66		
Temperature Operation	nal		-40°C to +70°C		
Temperature Storage			-45 to +80°C		
PHYSICAL SF	PECIFICATIONS				
Product Height			1.70 in		
Product Length			4.67 in		
Product Weight			0.4 kg		
Product Width			1.72 in		
LOGISTICS S	PECIFICATIONS	5			
HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package	

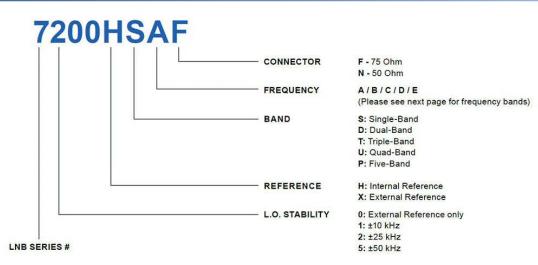
HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
	Made in Canada	Richmond, BC, Canada	EAR99	135 mm x 68 mm x 48 mm 0.48 kg

HOW TO ORDER



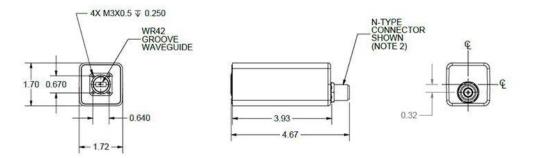


Innovative Communication Solutions



MECHANICAL DIAGRAMS









Norsat

Innovative Communication Solutions

		Dual Band				Triple Band		
Band	RI	F freq. (GHz)	Voltage/Tone	Band	RI	F Freq. (GHz)	Voltage/Tone	
	Band 1	17.75 - 18.75	13 V		Band 1	17.70 - 18.70	13 V	
A		- The second sec	Production (- A	Band 2	18.45 - 19.45	13 V / 22 kHz	
	Band 2	18.35 - 19.35	18 V		Band 3	19.20 - 20.20	18 V	
	Band 1	18.20 - 19.20	13 V	~ .	Band 1	17.70 - 18.70	13 V	
в			0200	В	Band 2	18.70 - 19.70	13 V / 22 kHz	
	Band 2	19.20 - 20.20	18 V		Band 3	19.70 - 20.20	18 V	
	Band 1	18.40 - 19.40	13 V	c	Band 1	17.90 - 18.30	13 V	
С					Band 2	18.30 - 19.30	13 V / 22 kHz	
	Band 2	19.20 - 20.20	18 V		Band 3	19.30 - 20.30	18 V	
	Band 1	19.20 - 20.20	13 V	1000	Band 1	18.20 - 19.20	13 V	
D			1200	D	Band 2	19.20 - 20.20	13 V / 22 kHz	
	Band 2	20.20 - 21.20	18 V		Band 3	20.20 - 21.20	18 V	
	Band 1	17.20 - 18.20	13 V		Band 1	17.50 - 18.50	13 V	
E	P. I.O.	17 50 10 50	1011	E	Band 2	18.20 - 19.20	13 V / 22 kHz	
	Band 2	17.50 - 18.50	18 V		Band 3	19.20 - 20.20	18 V	
		Quad Band				Five Band		
Band	RI	F Freq. (GHz)	Voltage/Tone	Band	RI	F Freq. (GHz)	Voltage/Tone	
	Band 1	17.20 - 18.20	13 V		Band 1	17.20 - 18.20	13 V	
A	Band 2	18.20 - 19.20	13 V / 22 kHz					
A	Band 3	19.20 - 20.20	18 V		Band 2	18.00 - 19.00	13 V / 22 kHz	
	Band 4	20.20 - 21.20	18 V / 22 kHz		Band 3	18,70 - 19,70	18 V	
	Band 1 17.50 - 18.50 13 V A	_ ^	Dand 3	10.70 - 19.70	18 V			
	Band 2	18.40 - 19.40	13 V / 22 kHz	-	Band 4	19.40 - 20.40	18 V / 22 kHz	
в	Band 3	19.30 - 20.30	18 V		1 (AL) (AL)	2007 27 1978 (1994	00000	
	Band 4	20.20 - 21.20	18 V / 22 kHz		Band 5	20.30 - 21.30	24 V	



Esatcom Inc Norsat authorized distributor www.esatcom.com

ons are subject to change without notice. Final product may not be as illustrated. The information contained

Tel 718.799.0084

Email sales@esatcom.com