

KU BAND FSS DUAL POL. SINGLE OUTPUT LNBF



VS-FS02



Your Trusted Source for Satellite Equipment

- **North American FSS**
- **Dual Polarization**
- **HD Compliant**

	SPECIFICATION				CONDITION
ITEM	MIN.	TYP.	MAX.	UNIT	
Input Frequency	11.7		12.2	GHz	High-Band
Output Frequency	950		1450	MHz	Low-Band
L.O. Frequency		10.75		GHz	Low-Band
L.O. Temperature Drift			±1	MHz	Initial Accuracy (@ 25 °C)
			±3	MHz	-40°C~+60°C
L.O. Phase Noise			-60	dBc/Hz	@1kHz Offset at High-Band
			-80		@10kHz Offset at High-Band
			-100		@100kHz Offset at High-Band
Noise Figure	0.3	0.6		dB	@ 25 °C (.6 typical)
Conversion Gain	62	66	70	dB	@ 25 °C
Gain Flatness Characteristics		5		dBpp	Over Operating Band
		1		dB	with bandwidth 27MHz
1dB Output Gain Compression	0	+3		dBm	
L.O. Spurious	55			dBc	
Image Rejection	35	40		dB	
Output VSWR		2.0:1			
Cross-Pole Isolation		20		dB	
Return Loss at Output		10		dB	
Supply Voltage and Control signals	10.5		14.5	V	Vertical Polarization
	15.5		21	V	Horizontal Polarization
Current consumption		90	110	mA	
Load Impedance		75		ohm	
Reflector Type	Offset				
F/D Ratio		0.6			
Feedhorn Mounting	40 mm (Standard Size)				
Operation Temperature	-40		+60	° C	
Storage Temperature	-50		+80	° C	
Output Connector	75Ω F type				

LNBF_VS-FS02_REV004

Specifications are subject to change without notice

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