

EMEA Market

Europe / Middle East / Africa

Universal LNBF

FT8-R



10.70 GHz–12.75 GHz

FQ8-R



10.70 GHz–12.75 GHz

FV8



10.70 GHz–12.75 GHz

FU8



10.70 GHz–12.75 GHz

Universal PLL Twin LNBF

- Feed design for 0.6 F/D–ratio dishes
- Stable L.O. performance
- L.O.: 9.75 GHz & 10.6 GHz

Universal PLL Quad LNBF

- Feed design for 0.6 F/D–ratio dishes
- Stable L.O. performance
- L.O.: 9.75 GHz & 10.6 GHz

Universal Single LNBF

- Straight-type universal single LNBF for applications in multiple dwelling units
- L.O.: 9.75 GHz & 10.6 GHz

Universal Quattro LNBF

- Four-output universal LNBF for applications in multiple dwelling units
- L.O.: 9.75 GHz & 10.6 GHz

Monoblock LNBF

F38-S



10.70 GHz–12.75 GHz

FB8-S



10.70 GHz–12.75 GHz

VS9



Tx: 29.5 GHz–30 GHz
Rx: 18.3 GHz–20.2 GHz

VSAT Smart ODU

- Receives Ka/Ka–band satellite signals and can send F-sim packets in either Ka band
- Circular pol./independently switchable
- Acts as an electrically interactive feed integrating a satellite modem and IP router that can be mounted onto a consumer-grade satellite dish

Universal 3° Monoblock Single

- Dual-beam 3° one-output LNBF with an 80 cm to 85 cm dish
- Also supports 4° satellite reception (9° E + 13° E) with a 65 cm to 70 cm dish
- L.O.: 9.75 GHz & 10.6 GHz

Universal 6° Monoblock Single

- For Eutelsat 13° E/Astra 19.2° E with an 80 cm to 85 cm dish

VSAT IDU

VIA-I



Tx: 950 MHz–2,400 MHz
Rx: 950 MHz–2,150 MHz

UWB Satellite Modem

- In-home Internet access via satellite broadband services
- Powerful DSP supporting DVB-S2/S2X standards
- Easily functions with C-band, Ku-band and Ka-band VSAT ODUs for a variety of satellite Internet services

FR8-924D



10.70 GHz–12.75 GHz

dCSS LNBF

- 24 dCSS UBs
- Three dCSS output ports
- Feed design for 0.6 F/D–ratio dishes
- L.O.: 9.75 GHz & 10.6 GHz

FR8-A121



10.70 GHz–12.75 GHz

dCSS LNBF

- 16 dCSS UBs
- One dCSS output port
- Feed design for 0.6 F/D–ratio dishes
- L.O.: 9.75 GHz & 10.6 GHz

Circular LNBF

FV3-CR



11.70 GHz–12.75 GHz

FT4-CR3



11.70 GHz–12.75 GHz

FF4-CR



11.70 GHz–12.75 GHz

Circular Ku-Band Single LNBF

- Single-output LNBF
- L.O.: 10.75 GHz

Circular Ku-Band Twin LNBF

- Two-independent-output LNBF
- L.O.: 10.75 GHz

Circular Ku-Band Quad LNBF

- Four-independent-output LNBF
- L.O.: 10.75 GHz

Japan Market

2K BS/CS LNBF

FV4-CJS



11.70 GHz–12.75 GHz

FV4-CNS



11.70 GHz–12.75 GHz

BF4



11.70 GHz–12.75 GHz

Single-Pol. 2K BS 110° CS LNBF

- Straight type; compact size
- Super low-noise LNBF
- For single-pol. BS 110° CS reception
- Feed design for 0.6 F/D ratio dishes
- L.O.: RHCP 10.678 GHz

Single-Pol. 2K BS 110° CS LNBF

- Straight type; compact size
- Super low-noise LNBF
- For single-pol. BS 110° CS reception
- Feed design for 0.46 F/D ratio dishes
- L.O.: RHCP 10.678 GHz

Single-Pol. 2K BS 110° CS LNBF

- ± 7 kV surge protection
- Super low-noise LNBF
- For single-pol. BS 110° CS reception
- Feed design for 0.46 F/D–ratio dishes
- L.O.: RHCP 10.678 GHz

4K/8K BS/CS LNBF

FBJ4



11.70 GHz–12.75 GHz

Dual-Pol. 4K/8K BS 110° CS LNBF

- ± 7 kV surge protection
- Super low-noise and high-isolation LNBF
- For dual-pol. 4K/8K BS 110° CS reception
- Feed design for 0.6 F/D ratio dishes
- L.O.: RHCP 10.678 GHz & LHCP 9.505 GHz

4K/8K Triple Beam LNBF

FSP4



CS 124°/128° LNBF:
12.20 GHz–12.75 GHz

BS 110° CS:
11.70 GHz–12.75 GHz

Sky PerfecTV 4K/8K Triple Beam LNBF

- Super low-noise and high-isolation LNBF
- For 4K/8K BS 110° CS, 4K/8K CS 124°, and 4K/8K CS 128° reception
- Feed design for 0.6 F/D ratio dishes
- 4K/8K BS 110° CS L.O.: RHCP 10.678 GHz & LHCP 9.505 GHz
- 4K/8K CS 124°/128° L.O.: 11.2 GHz

Asia Pacific Market

Universal LNBF

FG8



10.70 GHz–12.75 GHz

FI3-LK3



11.70 GHz–12.75 GHz

Universal Single LNBF

- PLL single LNBF
- Straight type; compact size
- L.O.: 9.75 GHz & 10.6 GHz

Dual-Pol. Ku-Band LNBF

- PLL Single LNBF
- Straight type; compact size

Low-Current-Consumption LNBF

FT4-M-LC



11.70 GHz–12.75 GHz

Ku-Band Twin LNBF with the latest low-current design

- Two-independent-output LNBF
- Total LNBF power consumption reduced by over 50% (compared to the previous generation)
- L.O.: 10.70 GHz

FF4-M-LC



11.70 GHz–12.75 GHz

Ku-Band Quad LNBF with the latest low-current design

- Four-independent-output LNBF
- Total LNBF power consumption reduced by over 50% (compared to the previous generation)
- L.O.: 10.70 GHz

Latin America Market

Linear LNBF

FT8-R

10.70 GHz–12.75 GHz



FQ8-R

10.70 GHz–12.75 GHz



FS2-MX

Input frequency:
11.7 MHz–12.2 GHz



Ku Band Universal PLL Twin LNBF

- Feed design for 0.6 F/D–ratio dishes
- Stable L.O. performance
- L.O.: 9.75 GHz & 10.6 GHz

Universal PLL Quad LNBF

- Feed design for 0.6 F/D–ratio dishes
- Stable L.O. performance
- L.O.: 9.75 GHz & 10.6 GHz

Elliptical Single LNBF

- For 78.8° W or 58.0° W service
- Elliptical single LNB
- Linear polarization
- LO: 10.75 GHz

FS4-MX

Input frequency:
11.7 MHz–12.2 GHz



FB6-MX

Sat. 79° W: 11.7 MHz–12.2 GHz
Sat. 76° W: 11.7 MHz–12.2 GHz



SF6-LA

10.95 GHz–11.2 GHz
11.45 GHz–12.2 GHz



Elliptical Twin LNBF

- For 78.8° W or 58.0° W service
- Elliptical dual LNB
- Linear polarization
- LO: 10.75 GHz

Dual Stacked LNBF

- For 76.2° W/78.8° W service
- Two outputs

Dual LNBF

- Feed design for 0.6 F/D–ratio dishes
- L.O.: 13.1 GHz & 10.5 GHz

Digital Single-Cable Solution

FR8-D315

10.70 GHz–12.75 GHz



FD1-LA

10.95 GHz–11.2 GHz
11.45 GHz–12.2 GHz



FS2-EM

Sat.: 12.06 GHz–12.68 GHz
Terr.: 174 MHz–700 MHz



dCSS LNBF

- 15 dCSS UBs
- One dCSS output port
- Feed design for 0.6 F/D–ratio dishes
- L.O.: 9.75 GHz & 10.6 GHz

Digital SWM LNBF

- Digital SWM LNBF for DIRECTV Latin America

Ku Band CASS Twin LNBF

- Feed design for 0.6 F/D–ratio dishes
- L.O.: 10.55 GHz & 11.25 GHz
- Supports MDU installations as a one-cable solution
- Supports VHF/UHF/satellite bands
- Terr.: 174 MHz–700 MHz

Antenna System

AM6

11.70 MHz–12.20 GHz



Multiswitch

SWA-34

Sat. frequency: 950 MHz–2,150 MHz
Terr. frequency: 54 MHz–806 MHz



SWA-38

Sat. frequency: 950 MHz–2,150 MHz
Terr. frequency: 54 MHz–806 MHz



Elliptical Antenna

- For 78.8° W or 58.0° W service
- Dish size: 89 cm × 50.8 cm
- F/D ratio = 0.67

3 × 4 Multiswitch

- Three inputs with terrestrial input and four outputs

3 × 8 Multiswitch

- Three inputs with terrestrial input and eight outputs

North America Market

Ka/Ku LNBF

SL5RB (AU6)

12.2 GHz–12.7 GHz
18.3 GHz–18.8 GHz
19.7 GHz–20.2 GHz
17.3 GHz–17.8 GHz (RB)



5D2RB (FD6)

12.2 GHz–12.7 GHz
17.3 GHz–17.8 GHz
18.3 GHz–18.8 GHz
19.7 GHz–20.2 GHz



SL3RBAH (AU4)

12.2 GHz–12.7 GHz
18.3 GHz–18.8 GHz
19.7 GHz–20.2 GHz
17.3 GHz–17.8 GHz (RB)



Multibeam LNBF

- Multibeam LNBF for 99°/101°/103°/110°/119° DIRECTV Ka/Ku/Ka/RB CONUS signal reception

Multibeam Digital SWM LNBF

- Multibeam digital SWM LNBF for 99°/101°/103°/110°/119° DIRECTV Ka/Ku/Ka/RB CONUS signal reception

Multibeam LNBF

- Multibeam LNBF for 99°/101°/103° DIRECTV Ka/Ku/Ka/RB CONUS signal reception

3D2RB (FD4)

12.2 GHz–12.7 GHz
18.3 GHz–18.8 GHz
19.7 GHz–20.2 GHz
17.3 GHz–17.8 GHz (RB)



Multibeam Digital SWM LNBF

- Multibeam digital SWM LNBF for 99°/101°/103° DIRECTV Ka/Ku/Ka/RB CONUS signal reception



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Direct Broadcast
Satellite

Product Catalog



Quality System Certifications
ISO 9001:2008
ISO 14001:2004
ISO/TS 16949:2009
BS-OHSAS:18001
ANSI/ESD S20.20
IECQ QC080000

