

FD-1290

Broadband Feed

DESCRIPTION

The FD-1290 is a sinuous dual-linearly-polarized dish feed, operating at frequencies from 1000 to 9000 MHz operation. This prime focus feed antenna has been designed to minimize displacement of the phase-center versus frequency.

The feed is optimized for $f/d = 0.375$ but can be tailored as needed to other focal lengths.

JEM Engineering can include a hybrid for LHCP and RHCP, multiplexers, limiters, LNAs/LNBs as requested.



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SPECIFICATIONS

ELECTRICAL

Frequency Band	1000 MHz to 9000 MHz
VSWR	< 2.0 : 1
Polarization	Horizontal or Vertical, Linear Left-Hand or Right-Hand Circular*
Beamwidth	70° Nominal (-10 dB)
Power	50+ Watts CW
Ground Plane	Ground Plane Independent
Connector	TNC Female Type N Female (Upon Request)

MECHANICAL

Weight	< 3 lbs (< 0.5 kg)
Dimensions	9" H x 8" Dia. (22.86 cm H x 20.32 cm Dia.)
Mounting	Available Upon Request
Finish (Default)	F63W12 White Polyurethane Enamel

* = With Hybrids