

Patriot Antenna Systems

קטלוג מוצרים סטנדרטיים 2007

החברה מפתחת
ומייצרת אנטנות
לפי דרישת הלקוח

צבאיות
(FMS/FMF)
ואזרחיות

תוצרת
ארה"ב




MILITRAM
WHEN FUTURE TECHNOLOGY IS YOUR BUSINESS


ATRIOT

Large Aperture Earth Station



אנטנות
עוקבות
ללוויינים



18.3 Meter
16.4 Meter
13.2 Meter
12.0 Meter
11.1 Meter
9.4 Meter
6.3 Meter

Features

- C, Ku, Ka, and X-Band feed options
- 2-Port or 4-Port configurations
- CP/LP switchable feeds
- Circular Foundation Interface
- Full line of options to meet any requirement
- No on site panel alignments required
- Installation Teams and Supervisors Available
- Factory assembled mount reduces installation time
- High Wind and Full Motion options available
- Extended C-Band Feeds

Description

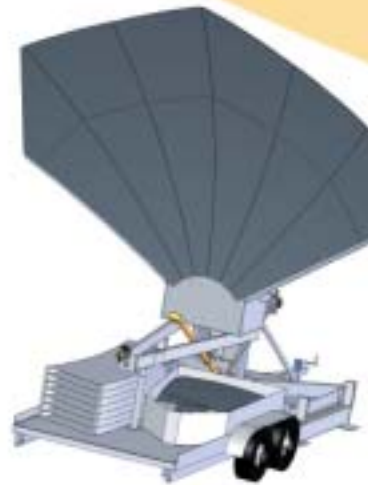
Patriot antennas have superior surface accuracy. Patriot's antenna reflectors incorporate precision stretch formed panels into very stiff backing structures. To insure quality and performance Patriot panels are inspected for R.M.S. accuracy using the latest in laser measurement techniques.

Patriot antennas have superior corrosion resistance. All reflector and mount parts are produced from high quality materials and treated for corrosion resistance by powder coat paint, epoxy paint or hot dip galvanizing as appropriate for each component. All hardware is stainless steel or hot dip galvanized depending on size an application.

Patriot antennas are designed and built to weather the storm. All Patriot Large Aperture Antennas are capable of surviving winds up to 125 mph as standard. High Wind designs are also available for areas that experience severe winds.

3.8 m Deployable Trailer Mount Offset Tx/Rx Antenna System

אנטנות
ניידות



Features

- Easy To Transport and Deploy
- Extra support ribs for added rigidity in wind
- Long Focal Length for Excellent Sidelobe Rejection
- Various Frequency and Feed Options
- F/D = 0.635, Diameter = 12.5 ft., 3.81m

Description

Solid Performer Ideal for Commercial C-Band and Ku-Band Applications

Need a more cost effective solution for a 3.8 meter transportable transmit/receive antenna? Many customers require the extra link margin that a larger antenna like a 3.8 meter can provide, for the hub station in their VSAT networks, a video uplink, or an SCPC central station. However, affordable prices are not often found when considering the other antennas on the market. The Patriot 3.8 meter offset is the affordable, flexible choice. The fold-down mount and removable panels are easily stowed or deployed in less than 45 minutes.

Patriot's newest offset antenna is not just affordable, it's a solid performer. The stretch formed 3.8 meter antenna with kerf panels provides superior surface accuracy. This antenna allows for easy installation without the need for a crane or a lifting device.

4.8 m Deployable Trailer Mount Tx/Rx Antenna System



Features

- Extra support ribs for added rigidity in wind
- Dual Reflector for High Gain and Excellent Sidelobe Performance



- Motorized Dual Axis Antenna System
- Cassegrain Feed System for C and Ku band
- Various Frequency and Feed Options
- Easy To Transport and Deploy

Description

Solid Performer Ideal for Commercial C-Band and Ku-Band Applications

Need a more cost effective solution for a 4.8 meter transportable transmit/receive antenna? Many customers require the extra link margin that a larger antenna like a 4.8 meter can provide, for the hub station in their VSAT networks, a video uplink, or an SCPC central station. The fold-down reflector is easily stowed or deployed in less than 1 hour.

Patriot's newest antenna is not just affordable, it's a solid performer. The stretch formed reflector utilizes kerf panels for reliable surface accuracy. This antenna allows for easy deployment, operation, and stow with minimal effort without the need for a crane or a lifting device.

1.8 m Type-Approved Tx/Rx Antenna System



חאושר



TX-INT180KU
Intelsat Type-Approval #IA083A00



TX-EUT180KU

Features

- AZ/EL interface to 4 in O.D. Pipe / 10.16 cm
- Azimuth Fine Tune $\pm 15^\circ$ for Pointing Accuracy
- Dual side galvanized steel powder coated
- Single Piece Deep Draw Reflector Provides Superior Surface
- Boom Supports 50 lbs / 22.26 kg
- Includes Two port Linear Tx/Rx Feed assembly

Description

Why pay more for a transmit/receive antenna? The Patriot single and dual optics antennas are excellent for VSAT applications and hold Intelsat type-approval. With a past history of use in high quality SNG (Satellite News Gathering) applications, the 1.8 m antenna provides a level of surface accuracy, rugged stiffness, and precision not often found in similarly priced products. The stamping process that produces the solid metal reflector results in superior surface accuracy and repeatability. The steel back structure adds strength and stability to the system and keeps the installation process simple.

The Navigator Style fine tune Azimuth and Elevation cap reduces pointing errors during installation, allowing more accurate boresighting on the satellite. Increased pointing accuracy leads to greater link availability. Special packaging techniques are employed for every system shipped to protect the surface of the dish.

1.2 m Ku-Band Tx/Rx Antenna Systems



מאשר



TX-INT120KUG
IA083A100



TX-EUT120KU
EA-A020

Features

- Navigator™ Style Fine Azimuth and Fine Elevation Adjustments
- Single Piece Deep Drawn Metal Reflector
- Sturdy 2" Square Boom Accommodates Many Outdoor Units, Holds up to 14 lbs / 6.35 kg at end of boom
- Az/EI interface to 2 7/8 or 3 in O.D. Pipe/ 7.30 or 7.62 cm
- Includes Two port Linear Tx/Rx Ku-Band Feed assembly
- Backframe Pre-assembled to Reflector

Description

The excellent surface accuracy of the main parabolic reflector is complemented by the cast accuracy of the lightweight sub reflector. The two combine to create superior system performance at Ku-Band. The pre-assembled steel back structure adds strength and stability to the system and keeps the installation process simple.

The Navigator Style fine tune Azimuth and Elevation cap reduces pointing errors during installation, allowing more accurate boresighting on the satellite. Increased pointing accuracy leads to greater link availability. Special packaging techniques are employed for every system shipped to protect the surface of the dish.

1.0 m Type-Approved Ku-Band Tx/Rx Antenna Systems



מאוסר



TX-INT100KU
Intelsat Type-Approval #IA084A00



TX-EUT100KU

Features

- Navigator™ Style Fine Azimuth and Fine Elevation Adjustments
- Single Piece Deep Drawn Metal Reflector
- Sturdy 2" Square Boom Accommodates Many Outdoor Units, Holds up to 14 lbs / 6.35 kg at end of boom
- Az/EI interface to 2 7/8 or 3 in O.D. Pipe/ 7.30 or 7.62 cm
- Includes Two port Linear Tx/Rx Ku-Band Feed assembly

Description

A Low Cost, High Quality Performer

The Patriot 1.0 meter Intelsat and Eutelsat Type-Approved antenna systems feature a solid stamped metal reflector with superior surface accuracy and one of the strongest feed booms in the industry. The Patriot "one-size-fits-all" approach eliminates the complexity of different models of the same size antenna with different weight ratings.

Easy Installation with Longer Field Life

The Azimuth and Elevation mount comes equipped with fine tune capability, reducing pointing errors during installation and allowing more accurate boresighting on the satellite. Each feed horn is equipped with a UV protected feed window for longer field life, and each system is powder coated. Choose one of our non-penetrating mounts or wall mounts for a complete ready-to-install unit.

1.0 m Ku-Band Tx/Rx Antenna Systems

שידור - קליטה



**Model Number
TXFCC-090KU**

Features

- Navigator™ Style Fine Azimuth and Fine Elevation Adjustments
- Single Piece Deep Drawn Metal Reflector
- Sturdy 2 inch Square Boom Accommodates Many Outdoor Units and Holds up to 14 lbs / 6.35 kg
- Az/EI interface to 2 7/8 or 3 in O.D. Pipe/ 6.03 or 7.62 cm
- Includes Two port Linear Tx/Rx Ku-Band Feed Assembly

Description

At less than one meter in diameter, the Patriot .90 meter transmit / receive antenna is a superior performer at Ku-Band, and the perfect size for a VSAT network remote station. The antenna is small enough to allow customers UPS shipment of single units, saving cost and lead time. The stamping process that produces the Patriot .90m solid metal reflector results in superior surface accuracy and repeatability.

The Navigator-style fine tune Azimuth and Elevation cap reduces pointing errors during installation, allowing more accurate boresighting on the satellite. Increased pointing accuracy leads to greater link availability. Special packaging techniques are employed for every system shipped to protect the surface of the dish

2.4 m Offset Tx/Rx Antenna Systems



TXINT-240



Features

- Easy To Ship, Installation without Crane
- Extra support ribs for added rigidity in wind
- High Wind Load Options Available
- Sub-Reflector Option for Ku-Band Low Cross Pol Applications
- Various Frequency and Feed Options
- Long Focal Length for Excellent Sidelobe Rejection

Description

Solid Performer Ideal for Commercial C-Band and Ku-Band Applications

Need a more cost effective solution for a 2.4 meter transmit/receive antenna? Many customers require the extra link margin that a larger antenna like a 2.4 meter can provide, for the hub station in their VSAT networks, a video uplink, or an SCPC central station. However, affordable prices are not often found when considering the other antennas on the market. The Patriot 2.4 meter offset is the affordable, flexible choice.

Patriot's newest offset antenna is not just affordable, it's a solid performer. The stretch formed 2.4 meter antenna with kerf panels provides superior surface accuracy. This antenna allows for easy installation without the need for a crane or a lifting device.

אנטנות
מוזדות זן

3.0 m FCC Compliant Offset Tx/Rx Antenna Systems



TX300-KLOF
TX300-CLOF
TX300-CCOF



Features

- Motorized Kingpost w/180° H to H, or Az/EI Motorizable Kingpost Mount.
- Extra support ribs for added rigidity in wind
- Diameter = 10 ft., 3.0m
- Long Focal Length for Excellent Sidelobe Rejection
- Easy To Ship, Installation without Crane
- Sub-reflector Option for Ku-Band Low Cross Pol Applications
- Various Tx/Rx and Rx-Only Feed Options, Including 4-Port C/Ku
- High Wind Loading Options Available

Description

Solid Performer Ideal for Commercial C-Band and Ku-Band Applications

Need a more cost effective solution for a 3.0 meter C-band or Ku-Band transmit/receive antenna? Many customers require the extra link margin that a larger antenna like a 3.0 meter can provide, for the hub station in their VSAT networks, a video uplink, or an SCPC central station. However, affordable prices are not often found when considering the other antennas on the market. The Patriot 3.0 meter offset is the affordable, flexible choice. Every Az/EI fixed Kingpost antenna is fully upgradable in the field to a Dual-Axis Motorized antenna with 180° H to H Mount.

Patriot's newest offset antenna is not just affordable, it's a solid performer. The stretch formed 3.0 meter antenna with kerf panels provides superior surface accuracy. This antenna allows for easy installation without the need for a crane or a lifting device.

3.8 m FCC Compliant Offset Tx/Rx Antenna Systems



TX380-KLOF
TX380-CLOF
TX380-CCOF

Features

- Motorized Kingpost w/180° H to H, or Az/EI Motorizable Kingpost Mount
- Extra support ribs for added rigidity in wind
- Diameter = 12.5 ft., 3.81m
- High Wind Load Options Available
- Easy To Ship, Installation without Crane
- Sub-Reflector Option for Ku-Band Low Cross Pol Applications
- Various Frequency and Feed Options
- Long Focal Length for Excellent Sidelobe Rejection

Description

Solid Performer Ideal for Commercial C-Band and Ku-Band Applications

Need a more cost effective solution for a 3.8 meter C-band or Ku-Band transmit/receive antenna? Many customers require the extra link margin that a larger antenna like a 3.8 meter can provide, for the hub station in their VSAT networks, a video uplink, or an SCPC central station. However, affordable prices are not often found when considering the other antennas on the market. The Patriot 3.8 meter offset is the affordable, flexible choice. Every Az/EI fixed Kingpost antenna is fully upgradable in the field to a Dual-Axis Motorized antenna with 180° H to H Mount.

Patriot's newest offset antenna is not just affordable, it's a solid performer. The stretch formed 3.8 meter antenna with kerf panels provides superior surface accuracy. This antenna allows for easy installation without the need for a crane or a lifting device.

1.0 m Back-pack Flyaway Systems

Manual Adjustment

Option 1

Basic Features

- Preassembled Tripod Base Mount with Pull Pins
- Under 65.0 lbs.
- Patented 6-Piece Dual Skin Metal Reflector
- Durable Nylon Backpack Case
 - Ku and Ka Bands
 - Sturdy Boom Accommodates Various BUCs

Unique Features

- 10 Minute Setup
- Fine-tune Elevation adjustment
- **Airline Checkable**



Dual Axis Motorized with Auto Locate Controller

Option 2

Includes Basic Features of Option 1

Unique Features

- Motorized Az/EI Mount for Jog Control
- Easy 10 minute Setup with Control Cable
- Limited Motion Mount
- Motorized Feed Assembly for Polarization Adjustment
- Actuator Control
- Manual Jog or Tracking motions Available
- RCI-3050 Controller
- 2 or 3 Axis Motorization
- **Airline Checkable**



אנטנות
לנשיאה
ידנית

12


ATRIOT
Antenna Systems
ISO 9001/2000

0.76 / 1.0 / 1.2 m Flyaway Systems

Manual Adjustment

Option 1



Basic Features

- Preassembled Tripod Base Mount with Pull Pins
- All Aluminum Cases for Easy Transportation
- Patented Two Piece Dual Skin Metal Reflector
- C, Ku, and Ka Bands
- Sturdy Boom Accommodates Many Outdoor Units
- Self Leveling Feet for Uneven Surfaces

Unique Features

- Azimuth and Elevation Hand Crank for Easy Adjustment
- 5 Minute Setup

Dual Axis Motorized with Smart Jog Controller

Option 2



- Includes Basic Features of Option 1

Unique Features

- Motorized Az/EI Mount for Jog Control
- Easy 15 minute Setup with Control Cable
- Limited Motion Mount
- Motorized Feed Assembly for Polarization Adjustment
- Actuator Control
- Manual Jog or Tracking motions Available
- RCI-3050 Controller
- 2 or 3 Axis Motorization

Auto Locate

Option 3



- Includes Features of Option 2

Unique Features

- RCI-3000A Controller
- Automatically Locates Satellite without Manually Adjusting


ATRIOT
Antenna Systems
ISO 9001/2000

2.4 m Flyaway Systems

Manual Adjustment

Option 1



Basic Features

- C and Ku Bands
- Self Leveling Feet for Uneven Surfaces
- Custom-designed Cases for Easy Transportation
- Sturdy Boom Accommodates Many Outdoor Units
- Preassembled Quadpod Base Mount with Pull Pins

Unique Features

- 20 Minute Setup
- Socket Drive Adaptor for rapid-adjust
- Hand-wheel for fine-tuning azimuth and elevation

Dual Axis Motorized with Smart Jog Controller

Option 2



- Includes Basic Features of Option 1

Unique Features

- Motorized Feed Assembly for Polarization Adjustment
- Motorized Az/EI Mount for Jog Control
- Manual Jog or Tracking motions Available
- RCI-3050 Controller
- Actuator Control
- 2 or 3 Axis Motorization
- Limited Motion Mount

Auto Locate

Option 3



- Includes Features of Option 2

Unique Features

- Automatically Locates Satellite without Manually Adjusting
- Fluxgate Compass and GPS Tracking
- RCI-3000A Controller


ATRIOT
Antenna Systems
ISO 9001/2000

1.2 m Mobile VSAT Systems

Jog Control

Option 1



Basic Features

- Single Piece Lightweight Reflector
- Auto Deploy and Stow
- Patented Dual Skin Design
- Ku and Ka Bands
- Motorized Feed for Polarization Adjustments
- Palletized Full Motion Mount

Unique Features

- RCI-3050 Controller
- Jog Controller and Position Reference Locator

Auto Locate

with GPS and Fluxgate Compass

Option 2



- Includes Basic Features of Option 1

Unique Features

- Auto Locate
- Manual Peaking
- GPS and Fluxgate Compass
- Auto Satellite Locating
- 50 Preset Satellite Locations
- One Touch Tx/Rx Capabilities
- RCI-3000A Controller
- Motorized Feed for Polarization Adjustment

אנטנות
לרכב

Auto Commission

Option 3



- Includes Features of Option 2

Unique Features

- Auto Commission
- Automatically Locates and Peaks Signal Satellite without Manually Adjusting
- Includes DVB Receiver


ATRIOT
Antenna Systems
ISO 9001/2000

1.8 m Mobile VSAT Systems

Jog Control

Option 1



Basic Features

- Single Piece Lightweight Reflector
- Auto Deploy and Stow
- Patented Dual Skin Design
- Ku, Ka and C Bands
- Motorized Feed for Polarization Adjustments
- Dual RotoLock Mount

Unique Features

- RCI-3050 Controller
- Jog Controller and Position Reference Locator

Auto Locate

with GPS and Fluxgate Compass

Option 2



- Includes Basic Features of Option 1

Unique Features

- Auto Locate
- Manual Peaking
- GPS and Fluxgate Compass
- Auto Satellite Locating
- 50 Preset Satellite Locations
- One Touch Tx/Rx Capabilities
- RCI-3000A Controller
- Motorized Feed for Polarization Adjustment

Auto Commission

Option 3



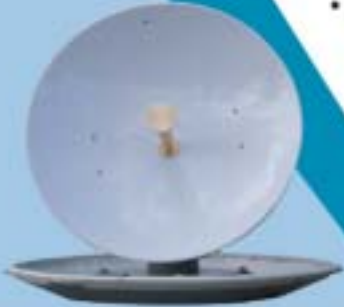
- Includes Features of Option 2

Unique Features

- Auto Commission
- Automatically Locates and Peaks Signal Satellite without Manually Adjusting
- Includes DVB Receiver


ATRIOT
Antenna Systems
ISO 9001/2000

FastTrack 318

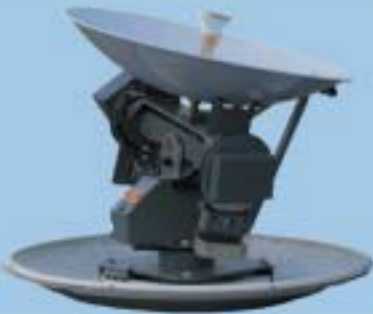


- 45cm Reflector
- DVB Tuner
- Automatic Satellite Switching
- Receive Only
- Onboard GPS
- 0.2° Pointing Accuracy

אנטנות
רב זנים

תקש"ט בתנועה
צבאי ואזרחי

FastTrack 324



- 60cm Reflector
- DVB Tuner
- Automatic Satellite Switching
- Receive Only
- Onboard GPS
- 0.2° Pointing Accuracy

FastTrack 340



- 1meter Reflector
- DVB Tuner
- Automatic Satellite Switching
- Tri-circumvolution 3-Axis Stabilizing Platform
- Transmit/Receive
- Onboard GPS
- 0.2° Pointing Accuracy

FastTrack 348



- 1.2meter Reflector
- DVB Tuner
- Automatic Satellite Switching
- Tri-circumvolution 3-Axis Stabilizing Platform
- Transmit/Receive
- Onboard GPS
- 0.2° Pointing Accuracy

3.1 / 3.8 / 4.5 m Prime Focus Antenna Systems

אנטנות
רב זנים



Features

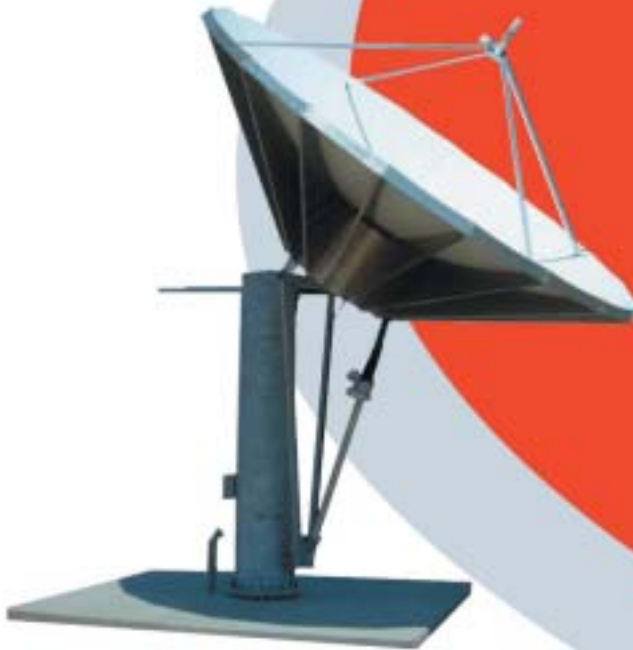
- Multi-Feed Systems Available (up to 4)
- Available in Dual Axis Motorized, King Post, and Az-El Fixed Pipe Head mounts
- 125 Mph Wind Survival
- King Post Pedestal Mount for Superior Steering and Stability
- High Accuracy Antenna, Low Transportation Cost

Description

The Patriot prime focus antenna is manufactured in the United States and is the symbol of quality in the antenna industry. It features a variety of mounting options and a dual sided galvanized reflector which is powder coated for superior protection against the elements. Stainless steel hardware is also available.

The contoured petals with matched radial beams and hub assembly ensure easy installation without field alignment. This antenna is competitively priced for the broadcast and cable industry as well as the educational market. Complete turnkey systems are available.

7.5 / 6.3 / 5.0 m Receive-Only Earth Station



7.5 | 6.3 | 5.0 Meter

Features

- C, Ku, and X-Band feed options
- Circular Foundation Interface
- Full line of options to meet any requirement
- High Wind and Full Motion options available
- No on site panel alignments required
- Installation Teams and Supervisors Available
- Factory assembled mount reduces installation time

Description

Patriot antennas have superior surface accuracy. Patriot's antenna reflectors incorporate precision stretch formed panels into very stiff backing structures. To insure quality and performance Patriot panels are inspected for R.M.S. accuracy using the latest in laser measurement techniques.

Patriot antennas have superior corrosion resistance. All reflector and mount parts are produced from high quality materials and treated for corrosion resistance by powder coat paint, epoxy paint or hot dip galvanizing as appropriate for each component. All hardware is stainless steel or hot dip galvanized depending on size an application.

Patriot antennas are designed and built to weather the storm. All Patriot Large Aperture Antennas are capable of surviving winds up to 125 mph as standard. High Wind designs are also available for areas that experience severe winds.

1.2 / 1.5 / 1.8 m DBS / DTH Offset Antenna System



PTX - 120AZJ
PTX - 150AZJ
PTX - 180AZJ



Features

- Single Piece Reflector
- DBS or Feed Applications
- Powder Coated, U.V. protected
- Reinforced Outer-Rim Design

Description

Patriot Antennas have superior surface accuracy. The 1.2, 1.5, and 1.8 meter reflectors are precision single piece reflectors produced in high volume utilizing precision draw dies. Patriot reflectors are randomly checked for R.M.S. accuracy with dial indicator check fixtures. All mounting holes are die pierced for uniform accuracy. The feed boom assembly is matched for either DBS or linear LNBF applications. The dish structures have been wind tunnel tested by Aeronautical Research Laboratories (ARL).

Patriot antennas have superior corrosion resistance. All reflector and mount parts are produced from dual sided galvanized steel. Reflector and mount parts are sealed and powder coated with U.V. inhibited polyester-based finishes that are baked onto the metal. Mounting hardware is treated with DACROTIZED and salt spray tested.

Patriot antennas are designed to weather the storm. All of the antenna mounts are designed to withstand wind forces in excess of 100 Mph. Patriot metal antennas will uniformly expand and contract with temperature changes.

Tx/Rx Feed Specifications	All Specifications Typical Performance							
	C band		Ku Band		Ka Band		X band	
	Circular	Linear	Linear	CoPol	Circular	Linear	Linear	Circular
P/N	TXFD-OMTFPLC	TXFD-OMTFCL	TXFD-OMTKUL	TXDPL-KUCOPO	TXFD-OMTKAL	TXFD-OMTKAL	TXFD-OMTFLX	
Description	C band CP Tx/Rx Feed Assembly	C band LP Tx/Rx Feed Assembly	Ku band LP Tx/Rx Feed Assembly	Ku band LP Tx/Rx CoPol Feed Assembly	Ka band CP Tx/Rx Feed Assembly	Ka band LP Tx/Rx Feed Assembly	X band CP Tx/Rx Feed Assembly	
f/D range	0.5 to 0.7	0.5 to 0.7	0.5 to 0.7	0.5 to 0.7	0.5 to 0.7	0.5 to 0.7	0.5 to 0.7	
Rotation	360° continuous	360° continuous fixed, +110° motorized	360° continuous fixed, ±110° motorized	360° continuous	360° continuous	360° continuous fixed, +110° motorized	360° continuous	
Polarities	Orthogonal CP	Orthogonal LP	Orthogonal LP	CoPol LP	Orthogonal CP	Orthogonal LP	Orthogonal CP	
Tx Port	WR137	WR137	WR75	WR75	WR28	WR28	WR112	
Rx Port	WR229	WR229	WR75	WR75	WR42	WR42	WR112	
Tx Band (GHz)	5.85 - 6.425	5.85 - 6.725	13.75 - 14.5	13.75 - 14.5	29.5 - 31.0	29.5 - 31.0	7.9 - 8.4	
Rx Band (GHz)	3.625 - 4.2	3.4 - 4.2	10.7 - 12.75	10.95 - 12.75	19.7 - 21.2	19.7 - 21.2	7.25 - 7.75	
Tx Return Loss (dB)	20	20	20	18	18	18	20	
Rx Return Loss (dB)	15	15	15	14	15	15	20	
Isolation (Tx Band) (dB)	50	70	90	80	80	80	25*	
Isolation (Rx Band) (dB)	35	60	40	30	35	35	25*	
Xpol (LP), Polarization Ratio (CP) (dB)	17.7	35	35	30	19	35	21 Tx 23 Rx	
Insertion Loss (Tx Band) (dB)	0.3	0.1	0.1	0.3	0.4	0.4	0.2	
Insertion Loss (Rx Band) (dB)	0.5	0.3	0.4	0.6	0.6	0.6	0.4	

Notes: * more isolation possible with filters

*** can be used without TX-KUTRAN if OMT or dual pol LNB is used

** increased insertion loss with filters

C-Band



Linear TXFD-OMTFCL



Circular TXFD-OMTFPLC



Linear Motorized TXFD-CLMOT

Ku-Band



Linear TXFD-OMTKUL



Co-pol Diplexor TXDPL-KUCOPO



Linear Motorized TXFD-KLMOT

Ka-Band



New OMT



Linear TXFD-OMTKAL



Circular TXFD-OMTKAL

X-Band



X-Band TXFD-OMTFLX

Ka/Ku-Band



Ka/Ku-Band Tx/Rx

Rx Feed Specifications	All Specifications Typical Performance			
	C band	Ku Band	Ka Band	Ka/Ku Band
P/N	Linear Rx Only PRTFD-CRO	Linear Rx Only PRTFD-1220KU	Circular Rx Only PRTFD-TRANPLKAC	Linear Rx Only PRTFD-KAKURO
Description	C band Rx only Feed Assembly	Ku band LP Rx Only Feed Assembly	Ka band CP Rx only Feed Assembly	Ka band LP, Ku band dual LP Feed Assembly
f/D range	0.5 to 0.7	0.5 to 0.7	0.5 to 0.7	0.5-0.7
Rotation	360° continuous	360° continuous	360° continuous	360° continuous
Polarities	Single or Orthogonal LP	Single LP	Single or Orthogonal	Single LP Ka, Dual LP Ku
Rx Port	WR229	WR75	WR42	C120 Ku, WR42 Ka
Rx Band (GHz)	3.4-4.2	10.7 - 12.75	19.7-21.2	Ka
Rx Return Loss (dB)	17	20	16	15
Isolation (Rx Band) (dB)	25 dB for OMT	N/A	20 dB for OMT	30 dB for OMT
Xpol (LP), Polarization Ratio (C/P) (dB)	30	35	13	30
Insertion Loss (Tx Band) (dB)	N/A	N/A	N/A	N/A
Insertion Loss (Rx Band) (dB)	0.1	0.1	0.3	0.2

C-band Rx Only



C-Band Single Pol
PRTFD-CRO



C-Band Dual Pol
PRTFD-CRODUAL

Ku-band Rx Only



Ku-Band Single Pol
PRTFD-1220KU



Ku-Band Dual Pol
PRTOMT-RODUAL

Ka-band Rx Only



Ka-Band Linear Single
PRTFD-TRANKAL



Ka-Band Circular Single
PRTFD-TRANPLKAC

Ka/Ku-band Rx Only



Ka/Ku-Band
PRTFD-KAKURO



Ka-Band Circular Dual
PRTFD-OMTFLKAC



Ka-Band Linear Dual
PRTFD-OMTKAL

Patriot Antenna Systems
704 North Clark Street - Albion, MI 49224 USA
+1.517.629.5990 phone · +1.517.629.6690 fax
www.sepatriot.com

C-Band



adl-op-112
C Band E bend



adl-rp1-cp300
C-Band circular | Single Pol



adl-rp1-c
Single Servo



adl-rp1-lpf200
Single Linear Pol



adl-rp2+cp300
Single C Circular



adl-rp3-or100
Dual Adjustable C-Band



adl-rp1-or1
Dual Linear C-Band



adl-rp1-cpor1
Dual Circular C-Band



adl-rp3-cku
Single C-Band w/ Servo,
Ku w/ Servo



adl-rp3-2+2b
4-Port C/Ku



adl-rp3-azop-122
4 Port C/Ku Motorized



adl-rp1-cku
Single C-Band w/ Servo,
Ku Single



adl-rp3-ckuiw
Single C with Servo/
Single Ku

Ku-Band



adl-op-1107
Ku Band H bend



adl-ku801
Single Ku w/ Servo



adl-ku850
Single Ku Feed



adl-pflnbf
Dual Ku LNBF



adl-ku901
Dual Ku Feed

Available Accessories

- Ka, Ku, C band flange covers
- C band E-bend connector
- C band H-bend connector
- C or Ku Servo Motor
- C band Scaler ring
- Ku band mounting ring
- Ku band H-bend connector

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