

**Model**

**RPS2P2-80-S**

2-ft (0.6m) Portable Transmit / Receive Dual Circular  
 VSAT Military X-band Antenna  
 7.25 - 7.75 GHz & 7.9 - 8.4 GHz (each port)

**Features**

- Two piece portable transmit and receive military X-band satellite communications antenna
- Capability of transmitting and receiving on either input without having to mechanically rotate the OMT or a polarizer to switch between LHCP & RHCP
- Only three components requiring field assembly are the Cassegrain feed, the two-piece precision reflector, and the mount, which folds flat for storage
- All assembly hardware is captive and no tools are required for assembly
- Cassegrain feed is one piece and is mounted from the rear of the reflector
- Cassegrain antenna designs offer low noise temperatures
- Inputs are SMA female
- A rugged foam lined transit case is also available



RPS2P2-80-S packed in heavy-duty transit case

**Configuration**

Description	Value	Units	Type
Size	2	Feet	Nominal
Freq. Low	7.25	GHz	Min
Freq. High	7.75	GHz	Max
Gain, Midband @ 7.5 GHz	30.5	dBic	Nominal
3 dB Beamwidth @ 7.5 GHz	4.1	Degrees	Nominal
Axial Ratio - Receive	<0.5	dB	
Return Loss - Receive	>21	dB	
Freq. Low	7.9	GHz	Min
Freq. High	8.4	GHz	Max
Gain, Midband @ 8.15 GHz	31.1	dBic	Nominal
3 dB Beamwidth @ 8.15 GHz	3.7	Degrees	Nominal
Axial Ratio - Transmit	<0.5	dB	
Return Loss - Transmit	>21	dB	
RF Interface	SMA Female		
RF Interface Location	Behind reflector vertex		
Finish, Reflector	Composite		
Color	White		
Finish, machined aluminum components	Chemical Conversion per MIL-DTL-5541F, Type 2, Class 1A, Clear ROHS Compliant		

**Notes:**

- (1.) Referenced product specifications are subject to change without notice.
- (2.) Designed, Engineered, and Manufactured in Windham, ME USA
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