



Specification Number: 00003PS09

Date Issued: 12/4/2009

Revision: B

## 2.4m Single Offset 2-Port Ku-Band Linear X-Pol VSAT

Electrical Specifications*	Receive	Transmit
Frequency (GHz)	10.7-12.75	13.75-14.5
Antenna Gain (dBi $\pm$ 0.2)	47.2 @11.725 GHz	49.2 @14.125 GHz
Antenna Noise Temperature ( $^{\circ}$ K) @11.7 GHz		
• 10 $^{\circ}$ Elevation	62	
• 20 $^{\circ}$ Elevation	52	
• 30 $^{\circ}$ Elevation	48	
Cross Polarization Isolation (dB)		
• On Axis	>30.0	>30.0
• Within 1 dB beamwidth	>22.0	>26.0
Sidelobe Performance	Compliant with ITU-R S.580	
VSWR	<1.5:1	<1.2:1
Port to Port Isolation (dB)	>45	>80

Mechanical Specifications <sup>*(1)</sup>		
Antenna Size		2.4 meter effective diameter
Reflector Construction		Stretched formed aluminum
Mount Type		Manual      Motorized
Adjustment Range	Azimuth:	360 $^{\circ}$ Continuous      +/-60 $^{\circ}$
	Elevation:	0 $^{\circ}$ - 90 $^{\circ}$ 5 $^{\circ}$ - 90 $^{\circ}$
Drive Type		Elevation over Azimuth - linear jack
Foundation Requirements	<i>Contact your sales representative for the latest foundation requirements</i>	

(1) Some specifications may vary depending on the combination/type of equipment being used.

(\*) Specifications are subject to change without prior notice

Date	ER/ECR	Change Description	Originator	Approved By
12/3/2009	-	Initial Engineering Release	RA	TT
12/4/2009	-	Reflector Construction Text Change	TT	TT