

1.0m Quick-Deploy Manpack Antenna System



VS-100QD6LS-KU
1.0m Quick-Deploy System



- **6-piece Sectional Reflector**
- **Low-profile Mount**
- **All Captive Hardware**
- **Quick and Easy Setup
(Less than 5 minutes)**
- **Fine Tune Azimuth and Elevation**
- **Hard or Soft Case Options**

RF Specifications		Ku	Linear
	Receive	Transmit	
Frequency in GHz	10.7-12.75	13.75-14.5	
Antenna Gain (dBi ± 0.2 GHz)	39.3 @11.7	41.4 @ 14.25	
Antenna Noise Temperature (°K) @ 11.725 GHz			
10° Elevation	66		
20° Elevation	54		
30° Elevation	52		
Cross Polarization Isolation (dB)			
On Axis	>30.0	>30.0	
Within 1 dB Bandwidth	>25.0	>26.0	
VSWR	<1.5:1	<1.2:1	
Port to Port Isolation (dB)	>45	>80	
Sidelobe Performance	Compliant with ITU-R S.580		
Port Configuration	2 Port Cross Pol		

Mechanical and Environmental Data	
Antenna Size	1.0 Meter
Antenna Optics	Offset
Reflector Construction	Aluminum
Mount Type	Low-Profile Mount
Adjustment Range	
Azimuth	360 $^{\circ}$ Fine Adjustment
Elevation	0 $^{\circ}$ to 90 $^{\circ}$
Polarization	360 $^{\circ}$ Continuous
Bag (without Feed)	
34"L x 20"W x 15"H, 65 lbs. (86.4cm x 50.8cm x 38.1cm, 29.5kg)	
Temperature Range	
Operational	-28.9 $^{\circ}$ C to 51.7 $^{\circ}$ C (-20 $^{\circ}$ F to 125 $^{\circ}$ F)
Wind Loading	
Operational (No Ballast)	20 mph / 32.2 km/h
Operational (with Ballast)	30 mph / 48.3 km/h
Survival	45 mph / 72 km/h

QUICK-DEPLOY_VS-100QD6LS-KU_REV005
Specifications are subject to change without notice

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