AVL TECHNOLOGIES MODEL 1278K MOBILE VSAT 1.2M MOTORIZED VEHICULAR MOUNT

Reflector 1.2 Meter

Offset, Prime Focus, .8 f//d **Optics** Drive System Mount Geometry Patented Roto-Lok® Positioner

Elevation over Azimuth

Polarization Rotation of Feed



Receive	<u>Transmit</u>
10.95-12.75 Ghz	13.75-14.5 Ghz
42.0 dBi	43.2 dBi
1.30:1	1.30:1
1.4	1.2
2.5	2.1
-19 dB	-22 dB
FCC §25.209, ITU-R S.528.5	
30° K at 30° Elevation	
Linear Orthogonal Standard, Option	al Co-pol
40 Watts	•
35 dB	35 dB
26 dB	28 dB
22 dB	25 dB
75 dB	
FCC and PanAmSat Worldwide	
	10.95-12.75 Ghz 42.0 dBi 1.30:1 1.4 2.5 -19 dB FCC §25.209, ITU-R S.528.5 30° K at 30° Elevation Linear Orthogonal Standard, Option 40 Watts 35 dB 26 dB 22 dB 75 dB

Controllers

Optional Upgrades

Auto-acquisition One-button acquisition of selected satellite

includingpeaking and optimization of cross pol (certified

for auto-commissioning on most satellite services)

Single Rack Unit for Auto-acquisition Size

110/240 VAC, 1 ph, 50/60 Hz, 6/3A peak, 1A **Input Power**

continuous

Reflector Options

Reflector Back Cover

Mechanical

Az/El Drive System Patented Roto-Lok® Cable Drive System

Polarization Drive System Stainless Steel Chain Drive **Reflector Material** Glass Reinforced Plastics

Travel

Azimuth 400°

Elevation True elevation readout from calibrated inclinometer

Mechanical 0° to 90° of reflector boresight

Standard limits at 5° to 65° (CE Approval) or 5° to 90° Electrical

Polarization ±95°

Speed

2°/second Slewing/Deploying

0.2°/second Peaking

Motors 24V DC Variable Speed, Constant Torque

RF Interface

BUC Mounting Feed Boom
Waveguide Grove Flexible Waveguide From Feed

Coax 2-RG59 run from feed to base plus 25 ft. (8 m) Electrical Interface 25 ft. (8 m) Cable with Connectors for Controller

Manual Drive Handcrank on Az and El Axii

Weight 115 to 125 lbs. (52 to 57 kg) depending on options

selected

Stowed Dimensions 74 L x 49 W x 17 H inches (188 L x 125 W x 43 H cm)

Environmental

Wind

Survival

Deployed 65 mph (121 kmph)
Stowed 80 mph (161 kmph)
Operational 45 mph (72 kmph)

Pointing Loss in Wind

20 mph (32 kmph) 0.5 dB Typical 30 Gusting to 45 mph (48 to 72 kmph) 1.0 dB Typical

Temperature

Operational ±5° to 125°F (-15° to 52° C) Survival -40° to 140°F (-40° to 60° C)