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 An **Orbital** Company

Specifications for Geodetic IV Antenna Body, TNC

ASHTech P/N	701975-01			
DESCRIPTION	GEODETIC IV, TNC connector			
FREQUENCY	1575 ± 10.23 MHz, 1227.60 ± 10.23 MHz			
POLARIZATION	RIGHT HAND CIRCULAR			
AXIAL RATIO	3dB MAX			
RADIATION COVERAGE: @ 1575.42Mhz	dBiC			= 0°
	dBiC (TBD by ATT)	0° <		< 75°
	dBiC (TBD by ATT)	75° ...		< 80°
	dBiC (TBD by ATT)	80° ...		< 85°
	dBiC (TBD by ATT)			= 90°
AMPLIFIER:				
GAIN	38 dB ± 3dB			
NOISE FIGURE	2.5 dB MAX			
IMPEDANCE	50 OHMS			
VSWR	2.0:1			
BAND REJECTION	70dB or better @ 1625Mhz			
POWER HANDLING	5-15V, 60 mA TYP or better			
FINISH	Radome: White Zenoy plastic Body: Blue Zenoy plastic Groundplane: Aluminum			
CONNECTOR	Female TNC			
WEIGHT	1lb 12 oz MAX			
ALTITUDE	20,000 ft (6096 m)			
OPERATING TEMP.	-40°C to +65°C or better			
STORAGE TEMP.	-55°C to +75°C or better			
MOISTURE RESISTANCE	Submersible (passes IPX7 standard)			
SHOCK	Survives 2.0 meter pole drop on to concrete.			
VIBRATION	DO160C (unspecified, TBD by ATT)			

[illegible]