

# Specifications

DTH

## RF performance

	Ku-Band 90 cm Series
F/D	0.5
Operating frequency	10.70 – 12.75 GHz
Gain ( $\pm 0.3$ dBi)	40.60 dBi @ 12.75 GHz
3 dB beamwidth	1.8° @ 12.75 GHz
Antenna Cross-Polarization	> 30 dB ( on axis )
VSWR	1.3 : 1 Max.

## Mechanical performance

Material	Steel
Antenna Optics	One-piece offset feed prime focus
Mount Type	Elevation over azimuth
Elevation Adjustment Range	20° - 90° continuous fine adjustment
Azimuth Adjustment Range	360° Continuous
Mast Pipe Size	40-60mm OD
Wind Loading (Operational) (Survival)	80 km/h 180 km/h
Temperature (Operational)	-40°C to 60°C
Rain (Operational)	10 mm/h
Atmospheric Conditions	Salt, Pollutants and Contaminants as encountered in coastal and industrial areas: 720 hours ASTM B117 salt spray
Humidity	0 to 100% with condensation

Please note that product designs and specifications are subject to refinement and may evolve from the descriptions provided.



[www.azureshine.com.tw](http://www.azureshine.com.tw) | Email: [azure.shine@azureshine.com.tw](mailto:azure.shine@azureshine.com.tw)

Azure Shine International Inc.

No. 1000, Guangfu Rd., Bade Dist., Taoyuan City, 33455, Taiwan, R.O.C.

Tel: +886-3-3611393 | Fax: +886-3-3615877