

## TrunkLine Antenna, High Performance, Single Polarized, 10 ft

RFS TrunkLine Antennas are designed for microwave backbone networks, long distance, high capacity links

A choice between tested and validated ultra-high (ETSI EN 302 217 Class 3 and FCC Class A) electrical performance or high (ETSI Class 2 and FCC Class B) performance

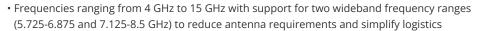
Sizes ranging from 1.8 m (6 ft) to 4.6 m (15 ft)

Single- and dual-polarized models with the ability to upgrade from single to dual polarization and change frequencies in the field in most cases

#### FEATURES / BENEFITS

- Field-proven reliability and long life
- Support for winds up to 200 km/h (125 mph) with high-wind versions that support winds up to 252 km/h (155 mph) and an optional sway bar for added assurance in case mistakes are made during installation







Antenna

## **Technical features**

GENERAL	SPECIFICATIONS

Product Type	Point to point antennas
Profile	TrunkLine
Performance	High
Polarization	Single
Antenna Input	PDR 70
Reflector	1-part
Radome	flexible
Antenna color	White RAL 9010
Swaybar	1: (3.0 m x Ø60 mm)

### **ELECTRICAL SPECIFICATIONS**

Frequency	GHz	6.425 - 7.125
3dB beamwidth	degrees	1
Low Band Gain	dBi	43.7
Mid Band Gain	dBi	44.1
High Band Gain	dBi	44.6
F/B Ratio	dB	69
XPD	dB	30
Max VSWR / R L	VSWR / dB	1.06 (30.7)
Regulatory Compliance		ETSI EN 302217 Range 1, class 2 FCC Category A

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MECHANICAL SPECIFICATIONS		
Diameter	ft (m)	10 (3)
Elevation Adjustment	degrees	± 5
Azimuth Adjustment	degrees	± 5
Polarization Adjustment	degrees	± 5
Mounting Pipe Diameter minimum	mm (in)	114 (4.5)
Mounting Pipe Diameter maximum	mm (in)	114 (4.5)
Approximate Weight	kg (lb)	290 (638)
Survival Windspeed	km/h (mph)	252 (155)
Operational Windspeed	km/h (mph)	190 (118)

## **STRUCTURE**

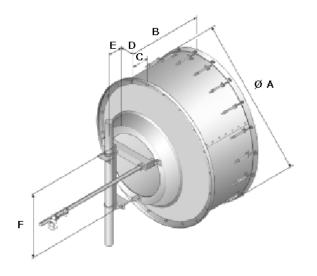
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## **FURTHER ACCESSORIES**

optional Swaybar	1: SMA-SK-60-3000A (3.0 m x Ø60 mm)
Further Accessories	SMA-SKO-UNIVERSAL-L : Universal sway bar fixation kit

#### **MOUNTOUTLINE**

Dimension_A	mm (in)	3220 (126.8)
Dimension_B	mm (in)	1640 (64.6)
Dimension_C	mm (in)	550 (21.7)
Dim_D- 114mm(4.5_in)Pipe	mm (in)	190 (7.5)
Dimension_E	mm (in)	370 (14.6)
Dimension_F	mm (in)	1440 (56.9)

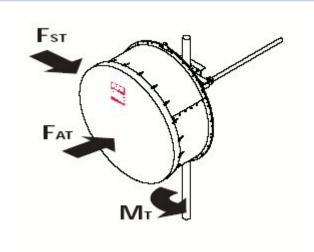


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WINDLOAD		
Fs Side force max. @ survival wind speed	N (lb)	14984 (3356)
M Torque maximum @ survival wind speed Nm (ft lb)	Nm (lb ft)	16000 (11875)
Fa Axial force max. @ survival wind speed	N (lb)	30266 (6781)



## **External Document Links**

Complete Antenna installation RPE (IQ-Link format) RPE (PDF format) RPE (Pathloss format) Notes

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