



LPR Series SK and A

UHF Slot Antenna

LPR Series - SK and A

A new slim and light weight UHF antenna has been developed to provide excellent horizontal pattern performance operating over optimised discrete UHF broadcast bands in 488 - 806 MHz. These uniquely combined features, combined with an extremely low weight and low wind load construction make this antenna an ideal choice for applications, such as repeater stations for DVB-H, where an economical and very flexible antenna solution is required.

FEATURES / BENEFITS

- Horizontal polarised
- Ideally suited for low power infills or Mobile TV applications
- Low drag profile underpins the antenna's high wind speed rating and low wind load characteristics
- Cost-effective
- Broad band
- High input power
- Cavity frequency groups 488-548, 518-578, 548-608, 578-638, 614-674, 644-704, 662-722, 704-764, 746-806



LPR4SK



LPR4A

Technical features

STRUCTURE

Product Line		Antenna TV
Product Type		Band IV/V (UHF) TV Slot Antennas

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	488 - 806
Operating Frequency Ranges	MHz	488 - 608
		578 - 704
		662 - 806
Polarization		Horizontal
Nominal Gain (Mid-band)	dBd	LPR4SK 10.1-10.5 LPR4A 8.9-9.3
Return Loss	dB	> 20.8
Power Rating	kW	1.6 @ 806 MHz
Impedance (unbalanced)	Ω	50

MECHANICAL SPECIFICATIONS

Input Connector		7-16 DIN Female at Centre
Dimensions (Height or Length)	cm (in)	2240-3040 (88-120)
Mounting (Standard)	mm (in)	600 x 60mm OD (23.6 x 2.6") OD
Effective Area Comment		LPR4SK 0.5-.0.7 LPR4A 0.7-1.0
Design Wind Speed	km/h (mph)	180 (50)
Wind Load Comment		LPR4SK 0.7-1.2 LPR4A 1.1-1.45 Max for LPR4A 470-536MHz 44 m/s /160 kmh
Weight	kg (lb)	LPR4SK 22-23 (48-72)
		LPR4A 25-35 (55-77)

MATERIAL

Material - Radome		UV Resistant Fibre Glass
Material - Radiators		Aluminium



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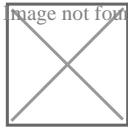
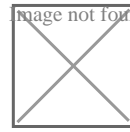


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