

# SHADOWMASTER™ Booster Antennas

## 2.5 to 2.7 GHz



This antenna is designed to enhance signal penetration for the wireless cable systems. It provides the improved quality and coverage wireless operators need to sustain and increase subscribership in their markets.

The SHADOWMASTER™ antenna is ideal for improving and increasing coverage in regions challenged by rugged terrain or other factors that result in shadowed or blocked areas. The sleek, lightweight design minimizes wind loading, and is exceptionally easy to install.

The SHADOWMASTER provides 16 or 18 dBi of signal gain as well as improved patterns with null fill for coverage at all angles. Both vertically and horizontally polarized models are available.

Type number: **HMDxxSM-p**

xx = 16 or 18 (gain in dBi)

p = H (horizontal) or V (vertical) polarization

### Electrical Specifications

Frequency, MHz	2500 - 2700
Gain, dBi	
Type HMD16SM	16
Type HMD18SM	18
VSWR	1.5:1 maximum
Polarization	Horizontal or Vertical
Half-power Beamwidth	
HMD16SM-H (V)	Azimuth: 100° (90°) typical Elevation: 5° typical
HMD18SM	Azimuth: 50° typical Elevation: 5° typical
Front-to-Back Ratio	20 dB typical
Input Power Rating, W	100
Input Connector	Type N female

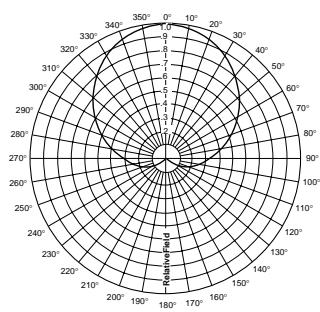


### Mechanical Specifications

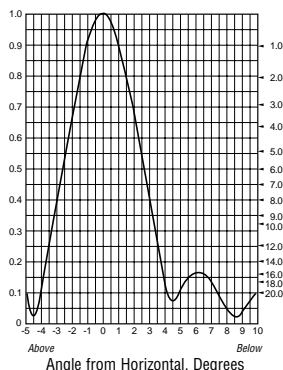
Wind Load at 112 mph (180 km/hr), lb (N)	100 (445)
Length, in (mm)	60 (1525)
Weight, lb (kg)	13 (5.9)

Broadcast Antenna Systems

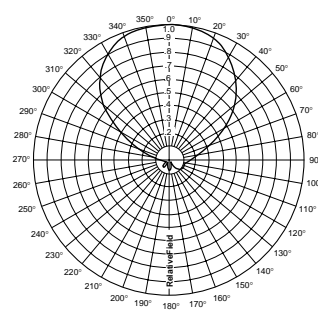
**Azimuth Pattern-  
Vertical**



**Elevation Pattern-  
Vertical**



**Azimuth Pattern-  
Horizontal**



**Elevation Pattern-  
Horizontal**

