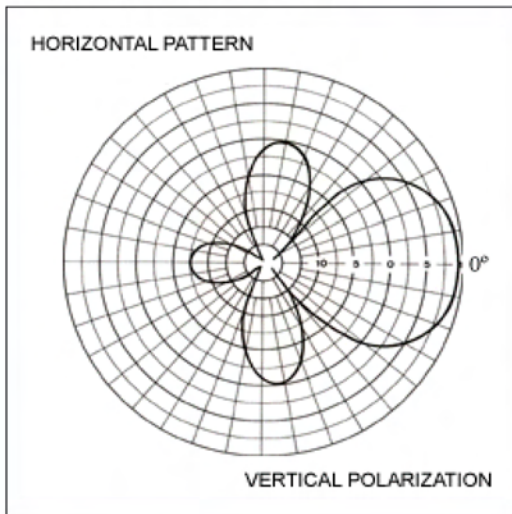


VHF-290-70 SKU# 95001824



- Rugged six elements high gain yagi antenna designed for point to point or point to multipoint applications.
- High directivity and high front-to-back ratio to minimize interference.
- Rugged design to withstand harsh environmental conditions.
- Mounting hardware supplied will permit either vertical or horizontal polarization.
- DC ground for lightning protection.

Heavy-duty version available for extreme wind and ice conditions.
Dual and quad stacked arrays are also available for increased gain and directivity



Electrical Specifications

290-70

Frequency Range:	138-174 MHz
Nominal Gain:	9.5 dBd
Front-to-back ratio	17 dB
Horizontal Beamwidth: (Ver Pol)	62°
Vertical Beamwidth: (Ver. Pol.)	50°
Bandwidth: 1.5:1 VSWR	4% of frequency
Polarization:	Vertical or Horizontal
Pattern:	Directional
Power Rating:	350 Watts
Nominal Impedance:	50 Ohms
Lightning Protection:	DC Ground
Standard Termination:	Type « N » Male

Mechanical Specifications:

290-70

Length: (at 138 MHz)	108" (2743mm)
Width:	42" (1067mm)
Weight:	12.0 lbs. (5.4kg)
Rated Wind Velocity: No ice	150 mph (241km/h)
Rated Wind Velocity with 0.5" (13mm) of ice	89 mph (143km/h)
Lateral Thrust at 100 mph wind:	87 lbs. (39kg)
Bending Moment: (100 mph)	209 ft/lbs. (28.9kg/m)
Equiv. Flat Plate Area:	2.10 ft ² (0.195m ²)
Mounting Hardware:	115-85 Clamp set

