

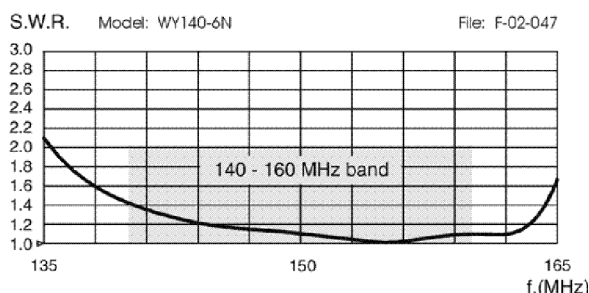


Features:

- Base station antenna, Directional
- Wide band, High-gain
- Highly symmetrical radiation pattern in both planes (E and H)
- Protection from static discharges DC-ground
- Made of anodized aluminium alloy
- Stacked and bayed array for more gain
- Optional: tilting bracket for $\pm 20^\circ$

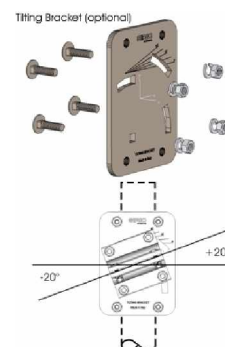
P/N 2113601/140 WY 140-6N
P/N 2113601/155 WY 155-6N

TYPICAL S.W.R. RESPONSE

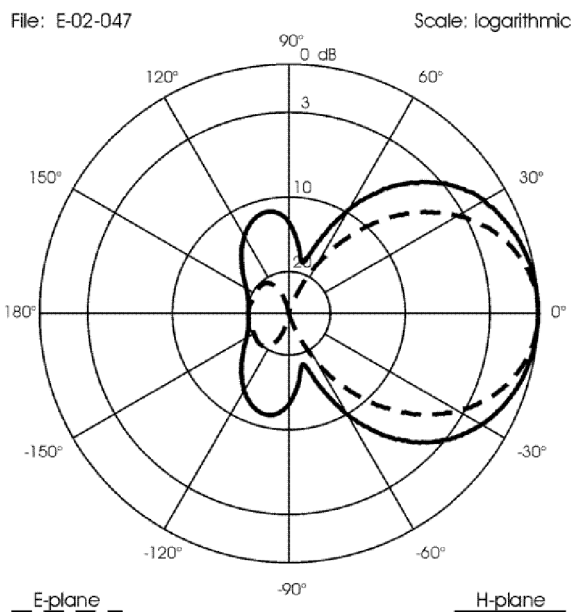


Electrical Data

- Type: 6 elements yagi antenna
- Frequency range:
WY 140-6N: 140-160 MHz
WY 155-6N: 155-175 MHz
- Impedance: 50Ω unbalanced
- Radiation (H-plane): beamwidth at -3 dB =
WY 140-6N: 80° at center freq.
WY 155-6N: 75° at center freq.
- Radiation (E-plane): beamwidth at -3 dB =
WY 140-6N: 60° at center freq.
WY 155-6N: 55° at center freq.
- Radiation angle: 0°
- Front to back ratio: ≥ 16 dB
- Polarization: linear vertical or horizontal
- Gain: 10.5 dBi
- SWR in bandwidth: $\leq 1.5:1$
- Max. power: 200 Watts (CW) at 30° C
- Feed system / position: RG303 teflon coax with balun / inside boom
- Connector: N-female with rubber protection cap

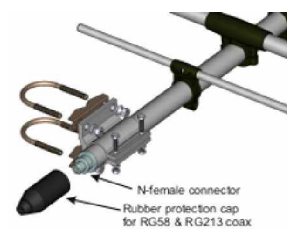


TYPICAL RADIATION PATTERN at 150 MHz



Mechanical Data

- Materials: Anodized 6063-T5 Aluminium, EPDM rubber, thermoplastic UV stabilized, Chromed brass
- Wind load / resistance: 184 N at 150 Km/h / 120 Km/h
- Wind surface: 0.15 m²
- Dimensions (approx.):
WY 140-6N: 2010 x 1085 mm
WY 155-6N: 2010 x 985 mm
- Weight (approx.):
WY 140-6N: 2440 gr
WY 155-6N: 2390 gr
- Turning radius:
WY 140-6N: 1940 mm
WY 155-6N: 1930 mm
- Operating temperature: -40° C to +60° C
- Mounting mast: Ø 35-52 mm



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