

# Broadcast Electronics

## Technical Specifications

### YC 450 - Specifications : Technical Specifications

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#### GENERAL SPECIFICATIONS

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**Frequency Range:**

450-470 MHz

**Bandwidth:**

20 MHz

**VSWR Over Bandwidth:**

1.5:1

**Power Rating:**

300 W

**Input Impedance:**

50 Ohms

**Gain at Mid-Frequency:**

10 dBd

**Gain, Isotropic:**

12.15 dBi

**Polarization:**

Horizontal or Vertical

**Isolation:**

20 dB

**Radiation Pattern:**

Directional

**3dB Beamwidth, Horizontal:**

45 degrees

**3dB Beamwidth, Vertical:**

60 degrees

**Front/Back Ratio:**

20 dB

#### PHYSICAL SPECIFICATIONS

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**Mounting Type:**

Rear extended boom

**Input Connector:**

Type "N" Female

**Input Cable Provided:**

None

**Radiator Material:**

Aluminum

**Base and Fittings Material:**

Aluminum

**Number of Bays or Elements:**

6

**Length:**

1.7 ft

**Wind Area, CaAc per TIA/EIA:**

.45 SqFt

**Max Wind Survival:**

150 MPH

**Lightning Protection:**

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## Technical Specifications

Direct Ground

**Weight:**

2 lbs

**Shipping Dimensions:**

23" x 16" x 4"

**Shipping Weight:**

3 lbs.

### REGULATORY

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NA

### SPECIAL NOTES

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Field replaceable elements. Includes 1/4" "V" bolts for attachment up to 1-1/2" diameter nominal pipe. Can stack two units for 3 dB increase in gain. Specify freq at time of order.

