

TR-58D-VAR

Dual Polarization, Variable Beamwidth Sector Antenna



- **Wide range of beamwidths in a single SKU**
- **Mechanical slide for easy field adjustment**
- **Wideband frequency performance**
- **Hi gain antenna in compact package**
- **Low profile, rugged design for outdoor use**
- **Built using N. American engineering and quality standards**

Electrical Specifications

Frequency Range	4.94-5.875 GHz		
Polarization	Dual Linear – Vertical and Horizontal		
Horizontal (AZ) Beamwidth*	60°	90°	120°
Gain (dBi)	18	17	16
Vertical (EL) Beamwidth	8.0 deg		
VSWR 4.94-5.875 GHz	1.5:1 Typ		

Front-to-Back Ratio	>25 dBi
Cross Polarization	>25 dBi
Sidelobe Level	>12 dBi
Port to Port Isolation	>25 dBi
Power Rating	20 watts
Impedance	50 ohms
Lightning Protection	DC ground

Physical/Environmental Specifications

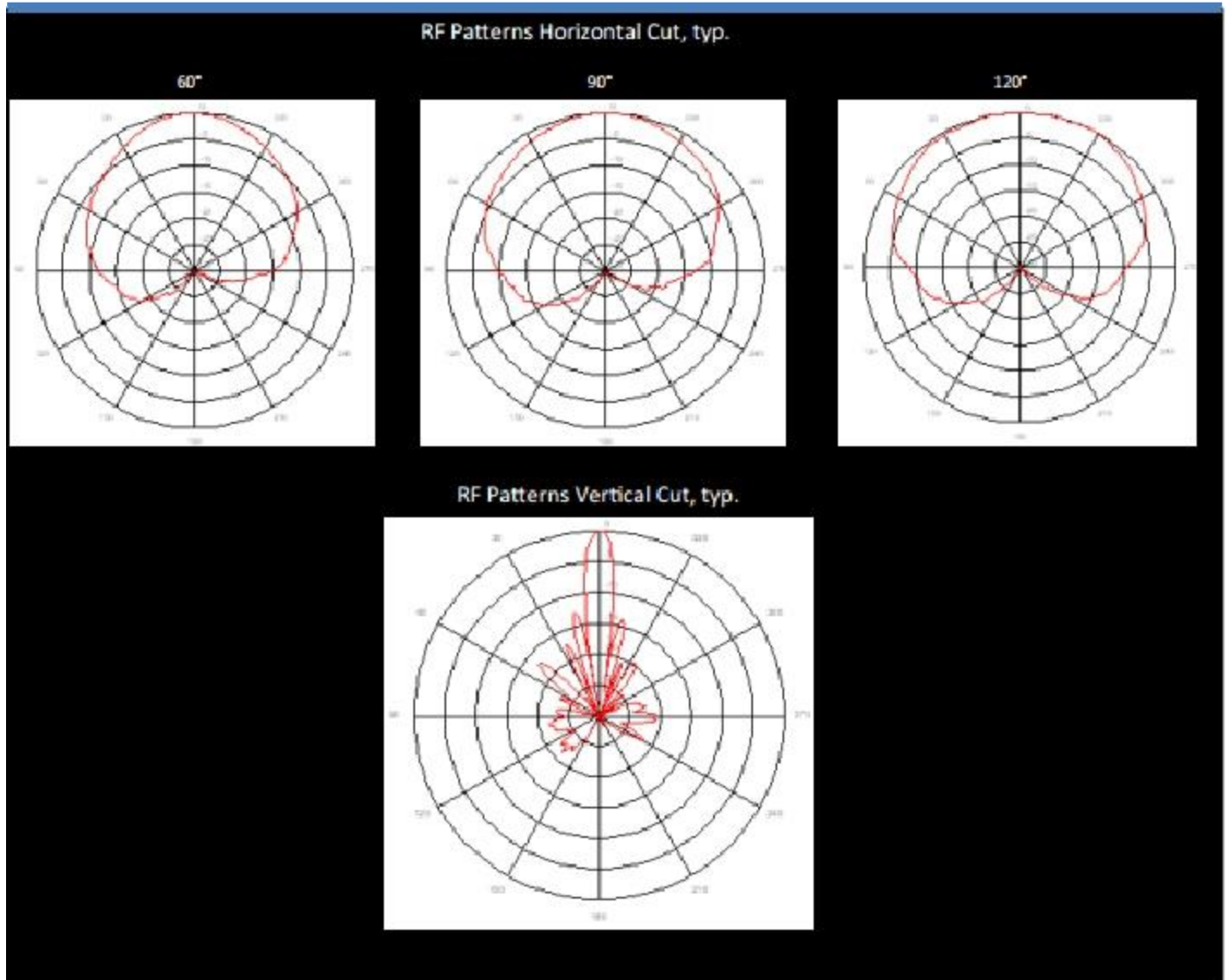
Length x Width x Depth	15 x 6.4 x 2.5in <i>(Excluding Bracket and Adjustment Slide)</i>
Weight	5 lbs. (2.3kg)
Radome	UV Stabilized ABS plastic, gray
Wind Survivability	125mph (201kph)
Wind Load	0.67ft ²
Operating Temperature	-49°F to 149°F (-45°C to 65°C)

Pole Mount Diameter Range	2.0 to 2.75in (5.0 to 7.0cm)
Environmental	IP 65
Connector	Type-N Jack (2)
Mechanical Downtilt	+15 deg/ -30 deg

* All beam widths are listed at the 3dB point except for 120° beam on horizontal polarization is listed at 6dB point

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Dual Polarization, Variable Beamwidth
Sector Antenna



Ordering Information

- Model: TR-58D-VAR
- Description: Sector Antenna
- 4.94-5.875 GHz, 60-120deg
- 18-16dBi, Variable Sector Antenna
- Type-N Jack (2), Dual Pol

Shipping Information

- Size: 39x18x11 in (99x45x27 cm)
- Weight: 30.7 lbs (13.9 kg)
- Description: 5 pack