



BRINGS YOU THE

ETI TRINITY

**TELECOM'S FIRST 700MHZ PHASED
ARRAY ANTENNA SYSTEM**

MODEL NO. 6ET2P700HV88

ETI's Trinity Antenna System is a three part system which includes a phased array antenna + beamforming networks + beamshaping networks in order to provide an optimal radiation pattern. ETI Trinity is Telecom's first 700MHz phased array antenna system. ETI Trinity is a three beam antenna system operating on 5G band 28. This system achieves frequency repetition by a factor of 3 per 90 degrees (each beam the same spectrum) of coverage providing 12 beams in 360 degrees.

TECHNICAL SPECIFICATIONS

ELECTRICAL

FREQUENCY RAGE	695-805 MHZ
VSWR	1.6
IMPEDANCE	50 OHMS
CONNECTOR	N TYPE
POLARIZATION	DUAL (H, V, DUAL)
GAIN	22DB
POWER RATING	20W
H-PLANE	90°
E-PLANE	10.6°
SECTORIZATION (*)	
SECTOR PEAK ANGLES FROM BROADSIDE	0° +- 29°
SUBSECTOR BEAM WIDTH	30°

MECHANICAL

LENGTH	72.8 INCHES
WIDTH	72.8 INCHES
DEPTH	10.3 INCHES
WEIGHT	1 10 LBS.
FABRICATION	HIGH QUALITY LOW LOSS TEFLON BASED MICO MATERIALS; COPPER FEEDLINES WITH PROTECTIVE COATING - UV SAFE FIBERGLASS RADOME.
MOUNTING	BRACKETS CONFORMING TO SITE LOCATION
ENVIRONMENTAL	
MOISTURE	ENVIRONMENTALLY SEALED
TEMPERATURE	-40 -+ 65°C

* PHASED ARRAY ANTENNA INCORPORATING BEAM FORMING AND BEAM SHAPING NETWORK, PRODUCING SIX BEAMS IN 90° BEAMWIDTH

‘A TRUE FIBER IN THE SKY’

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