



Dielectric's TUA-M Series panel antenna is designed for broadband horizontally polarized operation. The panel is a key building block for antenna system kit. The kit includes flexline jumpers and power dividers, and can be configured to provide antennas with specific azimuth and elevation patterns.

#### Key Features:

- Fully equipped and environmentally friendly packaged for easy field assembly.
- The TUA-M panel antenna kit comes complete with flexline and power dividers to expedite installation.
- And its 100% renewable Restore™ packaging can be composted to eliminate the disposal challenges of conventional materials at remote sites.

#### Specifications:

- Horizontally polarized, economical broadband design
- Configurable for specific azimuth and elevation patterns
- Operating range: 470-860 MHz
- 500W average power per panel
- 7 standard azimuth patterns available
- Custom azimuth and elevation patterns upon request
- Low VSWR, < 1.1:1 over operating band
- Suitable for multiplexing many channels
- Rugged, aluminum construction
- ABS radome for demanding environments

#### Electrical Specifications – Individual Panel

Band	Polarization	VSWR	Input	Power Rating	Beam Width
UHF 470-860 MHz	Horizontal	<1.1:1	7-16 DIN	500W	60°

#### Mechanical Specifications – Individual Panel

Model	Height ft(m)	Weight lb(kg)	Wind Area <sup>1</sup> ft <sup>2</sup> (m <sup>2</sup> )	Dimensions LxWxD (in)
TUA-M	3.2 (1.0)	25 (11.4)	6.8 (0.63)	38.25 x 18.25 x 8.10

<sup>1</sup>Wind area  $C_A A_C$  per TIA/EIA-222-F ( $C_A = 1.4$ )

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