

# UHF Unity Gain Low Profile

## 380-520 MHz

### TLA400 Series

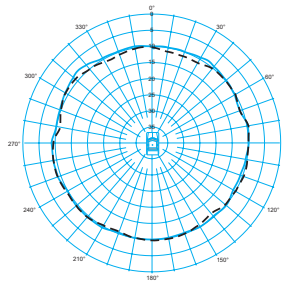
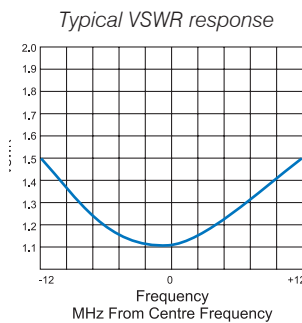


The TLA400 is a low profile transmission line antenna ideal for applications with strict height requirements. The TLA400 delivers performance equivalent to a 3 wave whip, yet measures only 66mm tall. It's rugged construction and low profile make it an ideal choice for industrial, rail and mining applications.



#### Features:

- Low Profile - Only 66mm tall - ideal for height restricted applications
- Extremely Rugged - Cast aluminium construction
- Reliable - Fully pattern tested in verified range conditions
- Corrosion Resistant
- Fully interchangeable with existing products in the field



This is a sweep in the horizontal plane of the TLA400. It is clear that the pattern is identical to that of a 1/4 wave whip. This antenna is highly recommended but must be centre roof mounted.

TEST FREQUENCY: 410 MHz
REFERENCE ANTENNA
MODEL: DSW1402
MOUNT: MB14
POSITION: Roof Centre
TEST ANTENNA
MODEL: TLA400
MOUNT: 1800 x 1200
Ground Plane

#### Electrical

Model Number	TLA400 Series	TLA401 Series
Gain	Unity over a 1/4 wave	
Frequency MHz	380 - 520	
Power W	100	
Tuned Bandwidth	Supplied in 20 MHz bands @ <1.5:1 VSWR. See note (1)	
Tuning	Supplied pre-tuned	

#### Mechanical

Model Number	TLA400 Series	TLA401 Series
Whip Material	Rugged cast aluminium coated with baked enamel finish	
Length mm	255	
Height mm	66.5	
Width mm	60	
Hole spacing for mounting mm	44	40
Cable and Connector	N connector, no cable supplied, order separately (UHF connector available subject to MOQ)	

(1) When ordering specify suffix:  
 -57 (380-400MHz)  
 -65 (400-420MHz)  
 -70 (450-470MHz)  
 -71 (470-490MHz)  
 -72 (500-520MHz)