

# YAGI ANTENNA

## 166 MHz Directional Antenna



ZDADJ166-YG

### Reliable long range communication for demanding environments.

- Up to +6-12.5 dBi directional gain
- Durable aluminum alloy construction
- Tested to  $\leq 1.5$  VSWR to minimize return loss and improve performance
- Reliable, weatherproof, field-tested performance

# IMAGE PENDING

**MOTUS**  
PRICING  
AVAILABLE

#### ELECTRICAL

Item No.			ZDADJ166-6YG	ZDADJ166-10YG	ZDADJ166-12YG
Frequency Range		MHz	164 - 170	164 - 170	164 - 170
Gain		dBi	6	10	12.5
Polarization			Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical
Beam width	Horizontal	deg	134	58	48
	Vertical		50	52	42
VSWR			$\leq 1.5$	$\leq 1.5$	$\leq 1.5$
Front-To-Back Ratio		dB	$\geq 15$	$\geq 15$	$\geq 15$
Input Power, maximum		watt	300	300	300
Impedance		ohm	50	50	50

#### RADIATION PATTERNS

##### HORIZONTAL



##### VERTICAL



#### MECHANICAL

Connector Type			N-Female	N-Female	N-Female
Size		mm	840 x 105	1735 x 105	3075 x 105
Weight		kg	1.5	2.5	4.0
Mounting Hardware		mm	$\varnothing 30 \sim \varnothing 50$	$\varnothing 30 \sim \varnothing 50$	$\varnothing 30 \sim \varnothing 50$
Wind Speed Resistance		mph	135	160	100
Element(s)			3	5	9
Operational Temperature		oC	-40 ~ 60	-40 ~ 60	-40 ~ 60
Antenna Material			Aluminum Alloy	Aluminum Alloy	Aluminum Alloy



**QUESTIONS? CALL US TODAY**  
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