25 elements Yagi antenna

2300 to 2420 MHz

Part Nr. 220745



Electrical data

Radiation	at 2400	MHz
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: 10.0 λ
: 18.1 dBi
: 2 x 7.2°
: 2 x 7.3°
:: - 11 dB @ 22°
: - 9.5 dB @ 22°
:: : - 25 dB
:: - 23 dB
: - 22 dB

Bandwidth

Gain @ -1 dB	.: 2300 to 2450 MHz
Nominal impedance	: 50 Ω
Impedance match bandwidth @ SWR <1.3/1	: 2300 to 2420 MHz
Acceptable RF power (continous duty)	.: 200 W

Array of 2 or 4 antennas

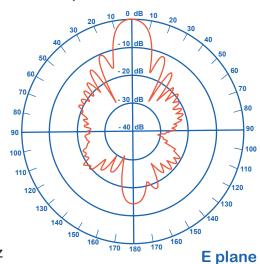
(optimized stacking distance. from center to center of elements. for minimal side lobe radiation)

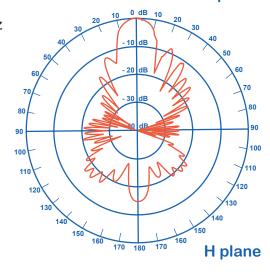
 E plane - Ele 	ectrical distance	:	3.33 λ
- Pra	atical distance	:	0.42 m
- H plane - Ele	ectrical distance	:	3.33λ
- Pra	atical distance	:	0.42 m

Mechanical data

Connector	: N
Overall length	: 1.45 m
Mass	: 0.95 kg
Effective wind load	
- Horizontal polarization	: 0.056 m ²
- Vertical polarization	: 0.032 m ²
Approximate wind load (25 m/s - 55 mph)	
- Horizontal polarization	: 2.2 daN
- Vertical polarization	: 1.2 daN
Approximate wind load (45 m/s - 100 mph)	
- Horizontal polarization	: 6.9 daN
- Vertical polarization	: 4.0 daN

Radiation patterns







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