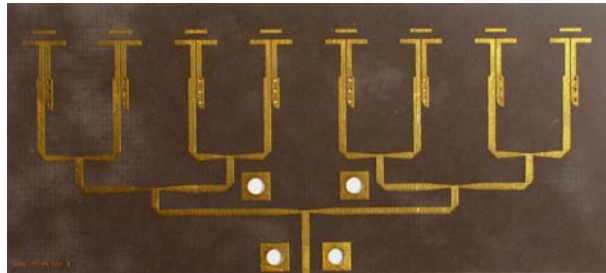


# QYA-30T41G-08

## Ultra-wideband Quasi-Yagi Antenna Array

### Description

The QYA-30T41G-08 is an ultra-wideband quasi-Yagi antenna array. This antenna array utilizes our company's patented ultra-wideband balun, which enables low-cost implementation. This antenna covers the frequency range of 30 to 41 GHz with high gain and low sidelobes. Quasi-Yagi antenna arrays capable of producing customer-specific gain and bandwidth are also available.



### Applications

- ✓ Communication Systems
- ✓ Sensor Sub-assemblies
- ✓ Radar Systems
- ✓ Radiometers

### Features

- ✓ 8 element antenna array
- ✓ Ultra-Wideband
- ✓ High Gain
- ✓ Low Sidelobes
- ✓ Low VSWR
- ✓ Size: 65 x 30 mm

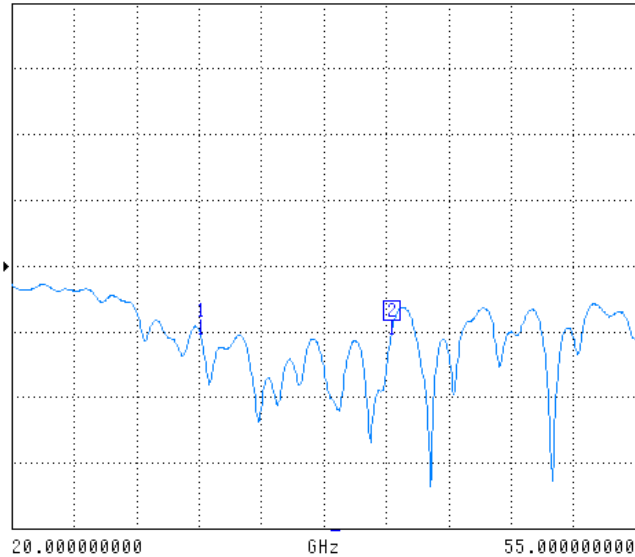
### Electrical Specifications

Parameter	Units	Min.	Typ.	Max.
Frequency Range	GHz	30	-	41
Gain	dBi	10	12	13
Beamwidth	deg	6	7	9
Sidelobe Level	dBc	10	12	13

### Return Loss

S11 FORWARD REFLECTION

LOG MAGNITUDE REF=0.000 dB 10.000 dB/DIV



CH 1 - S11  
0.0000 mm REF  
0.000 dB OFFSET  
0.00° OFFSET

MARKER 2  
41.306250000 GHz  
-10.408 dB

MARKER TO MAX  
MARKER TO MIN

1 30.587500000 GHz  
-10.400 dB

MARKER READOUT  
FUNCTIONS

### Radiation Pattern at 35 GHz (E-plane)

