

# TECHNICAL DATA SHEET

## PICASS-DIRECTIONAL COUPLER

### Main Features

- Multiple-Band Frequency Ranges
- High Power Rating 300 Watt
- Low PIM, Low VSWR
- High Quality Cavity Type, High Reliability



### Electrical Specifications

Frequency Range	698-4000Mhz									
Coupling (dB)	5	6	7	8	10	13	15	20	30	40
Insertion Loss(dB)	≤ 2.1	≤ 1.7	≤ 1.5	≤ 1.1	≤1.0	≤ 0.7	≤0.5	≤0.4	≤ 0.3	≤0.2
In-band Ripple(dB)	± 1.0	± 1.0	± 1.0	± 1.0	±1.2	± 1.5	±1.5	±1.5	± 1.6	±1.8
Directivity	≥ 20 dB						≥ 18 dB			
Return Loss/ VSWR	≤-19 dB / 1.25									
PIM (IM3)	< -150 dBc @2 x 43 dBm									
Power Handling	300 W									
Impedance	50 Ω									

### Environmental Specifications

Applied Environment	Outdoor or Indoor, IP 65
Relative Humidity	5 to 95%
Operating Temperature	-20°C to +65°C
Storage Temperature	-40°C to +85°C

### Mechanical Specifications

Connector Type	N-Female
Materials	Cavity: Aluminum; Connector: Copper
Processing	Silver plated cavity and inner conductor
NetWeight	0.35 Kg
Dimensions	124 x43 x 20 mm

### Outline Drawing

