

QDPS-1000-2000-360-8

1~2GHz, 360°, 8Bits

Features:

- * Broadband
- * High Reliable

Applications:

- * Laboratory Test
- * Instrumentation

Electrical

Frequency Range:	1~2GHz
Phase Range:	360° typ.
Control Bits:	8 Bits
Step:	1.4° typ.
Insertion Loss:	6dB max.
Insertion Loss Temperature Coefficient:	0.003dB/°C typ.
Phase Flatness:	±15° max.
Input VSWR:	3 max.
Output VSWR:	3 max.
Input Power (P1dB):	27dBm typ.
Impedance:	50Ω
Voltage:	+5V
Current:	50mA
Switching Speed:	60us max.
Control:	High - 1 @3~5V Low - 0 @0~0.8V

Absolute Maximum Ratings^{*1}

RF Input Power:	27dBm
Biasing Voltage:	+5V±10%

[1] Permanent damage may occur if any of these limits are exceeded.

Mechanical

Size ^{*2} :	45*43*14mm 1.772*1.693*0.551in
RF Connectors:	SMA Female
Control Connector:	MICRO-D15 Female
Material:	Aluminum
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-50~+105°C

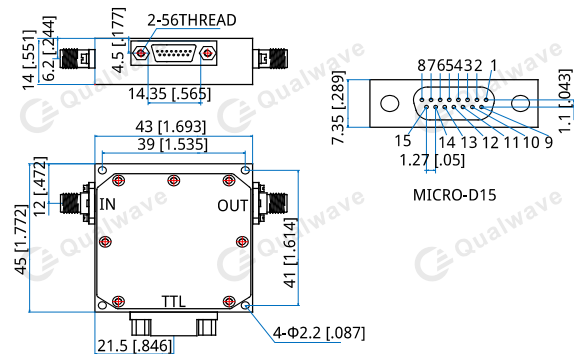
Pin Numbering

Pin	Function	Pin	Function
1	+5V	3~10	Control
2	GND	11~15	NC

Control True Table

Pin 10	Pin 9	Pin 8	Pin 7	Pin 6	Pin 5	Pin 4	Pin 3	Phase Shift (°)
1	1	1	1	1	1	1	1	0
1	1	1	1	1	1	1	0	1.4
1	1	1	1	1	1	0	1	2.8
1	1	1	1	1	0	1	1	5.625
1	1	1	1	0	1	1	1	11.25
1	1	1	0	1	1	1	1	22.5
1	1	0	1	1	1	1	1	45
1	0	1	1	1	1	1	1	90
0	1	1	1	1	1	1	1	180
0	0	0	0	0	0	0	0	354.375

Outline Drawings



Unit: mm [in]

Tolerance: ±0.1mm [±0.004in]

How To Order

QDPS-1000-2000-360-8

Customization is available upon request.