

QDPS-400-500-360-8

0.4~0.5GHz, 360°, 8Bits

Features:
 * Broadband
 * High Reliable

Applications:
 * Laboratory Test
 * Instrumentation

Electrical

Frequency Range:	0.4~0.5GHz
Phase Range:	360°
Control Bits:	8 Bits
Step:	1.4° typ.
Insertion Loss:	5.5dB max.
Insertion Loss Temperature Coefficient:	0.008dB/°C typ.
Phase Flatness:	±25° max.
Input VSWR:	2 max.
Output VSWR:	2 max.
Input Power (P1dB):	30dBm typ.
Input Power:	33dBm max.
Input IP3:	35dBm typ.
Impedance:	50Ω
Voltage:	+5V±10% max.
Current:	65mA max.
TTL Control Voltage:	Low(0): 0~0.8V High(1): 2.8~5V

Mechanical

Size*1:	40*34*10mm 1.575*1.339*0.394in
Speed:	3.5ms typ.
Weight:	34g max.
RF Connectors:	SMA Female
Control Connector:	MICRO-D15 Female
Material:	Aluminum
Mounting:	4-Φ2.2mm through hole

[1] Exclude connectors.

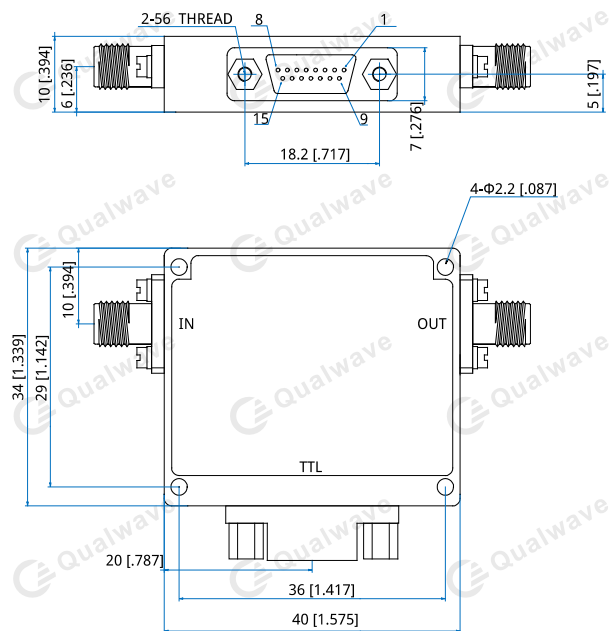
Environmental

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

Pin Numbering

Pin	Function	Pin	Function
1	C8	7	C2
2	C7	8	C1
3	C6	9	+5V
4	C5	10	GND
5	C4	11~15	NC
6	C3		

Outline Drawings



Unit: mm [in]

Tolerance: ±0.1mm [±0.004in]

Control True Table

C8	C7	C6	C5	C4	C3	C2	C1	Phase Shift (°)
1	1	1	1	1	1	1	1	Reference
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	358.594

How To Order

QDPS-400-500-360-8

Customization is available upon request.