

## QDPS-2000-18000-180-7

2~18GHz, 180°, 7Bits

Features:  
 \* Broadband  
 \* High Reliable

Applications:  
 \* Laboratory Test  
 \* Instrumentation

### Electrical

Frequency:	2~18GHz
Phase Range:	180° typ.
Control Bits:	7 Bits max.
Step:	1.4° typ.
Insertion Loss:	13.5dB max.
Insertion Loss Temperature Coefficient:	0.003dB/°C typ.
Phase Flatness:	±20° typ.
VSWR:	3.5 max.
Input Power (P1dB):	27dBm typ.
IIP3:	28dBm typ.
Voltage/Current:	+5V/0.06A
Impedance:	50Ω
TTL Control Voltage:	0: 0~0.8V 1: 3~5V

### Mechanical

Size*1:	43*45*14mm 1.693*1.772*0.551in
RF Connectors:	SMA Female
Switching Speed:	60us max.
Power Supply Connectors:	MICRO-D9 Female

[1] Exclude connectors.

### Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-50~+105°C

### Control True Table

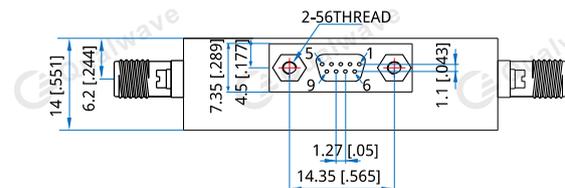
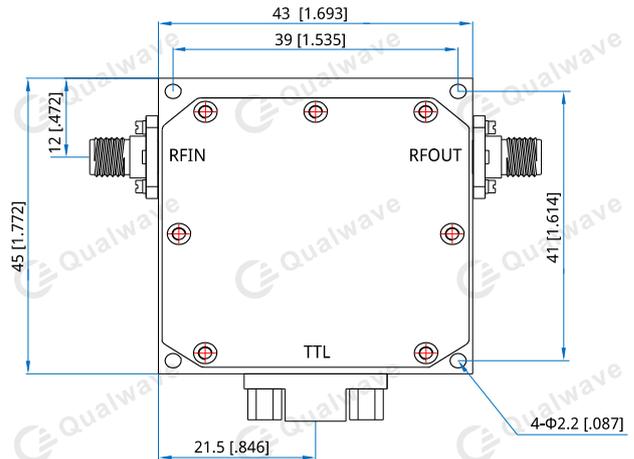
Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
+5V	GND	C1	C2	C3	C4	C5	C6	C7

### How To Order

[QDPS-2000-18000-180-7](#)

Customization is available upon request.

### Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.2mm [±0.008in]

### Logic Table

C7	C6	C5	C4	C3	C2	C1	Phase Shift (°)
1	1	1	1	1	1	1	Reference
1	1	1	1	1	1	0	1.4
1	1	1	1	1	0	1	2.8
1	1	1	1	0	1	1	5.6
1	1	1	0	1	1	1	11.2
1	1	0	1	1	1	1	22.5
1	0	1	1	1	1	1	45
0	1	1	1	1	1	1	90
0	0	0	0	0	0	0	180