

# QDPS-18000-28000-360-6

18~28GHz, 360°, 6Bits

**Features:**

- \* Broadband
- \* High Reliable

**Applications:**

- \* Laboratory Test
- \* Instrumentation

**Electrical**

Frequency:	18~28GHz
Insertion Loss:	17dB max.
Phase Range:	360°
Control Bits:	6 Bits
Step:	5.625° typ.
Phase Flatness:	±5° typ.
Phase Accuracy:	±5° typ.
VSWR:	2.5 max.
Voltage/Current:	-5V/10mA typ.
Impedance:	50Ω
Power:	+24dBm max.
TTL Control Voltage:	0: 0V 1: +5V

**Mechanical**

Size*1:	24*18*12mm 0.945*0.709*0.472in
RF Connectors:	2.92mm Female
Power Supply Connectors:	JL5-8TJW-2

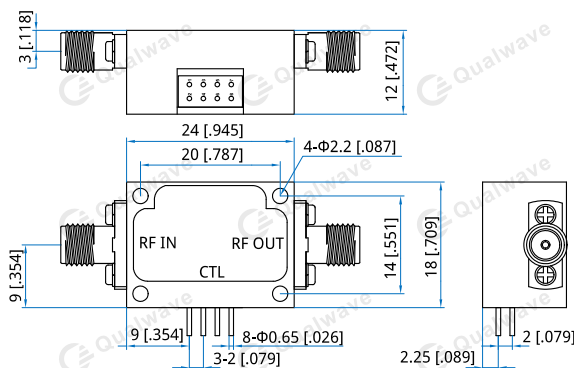
[1] Exclude connectors.

**Environmental**

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

**Control True Table**

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
E6	E5	E4	E3	E2	E1	GND	VEE

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

**Logic Table**

E1	E2	E3	E4	E5	E6	VEE
0	0	0	0	0	0	0
1	0	0	0	0	0	-5.625°
0	1	0	0	0	0	-11.25°
0	0	1	0	0	0	-22.5°
0	0	0	1	0	0	-45°
0	0	0	0	1	0	-90°
0	0	0	0	0	1	-180°
1	1	1	1	1	1	-354.375°

**How To Order**

**QDPS-18000-28000-360-6**

Customization is available upon request.