Qualwave

Digital Controlled Phase Shifter

QDPS-18000-40000-360-6

18~40GHz, 360°, 6Bits

Features:
* Broadband
* High Reliable

AppliEations:
* Laboratory Test
* Instrumentation

Electrical

Frequency:	18~40GHz
Insertion Loss:	22dB 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/0.01A 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:	Feed Through/Terminal Post

[1] Exclude connectors.

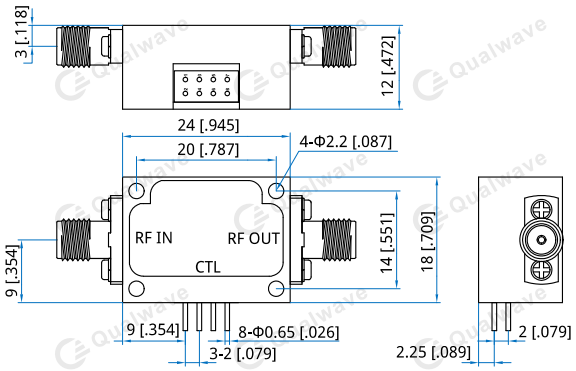
Environmental

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

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	-5	-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-18000-40000-360-6

Customization is available upon request.