

FDPS-200-2000-360-6

0.2~2GHz, 360°, 6Bits

Features:
 * Broadband
 * High Reliable

Applications:
 * Laboratory Test
 * Instrumentation



Electrical

Frequency:	0.2~2GHz
VSWR:	1.8 typ.
Insertion Loss:	18dB typ.
Normalized Loss:	±1.5 typ.
Phase Range:	360°
Phase Accuracy:	±4° typ.
Control Bits:	6 Bits
Step:	5.625° typ.
Voltage/Current:	-5V/0.01A
Impedance:	50Ω
TTL Control Voltage:	0: 0V 1: +5V

Absolute Maximum Ratings*1

RF Input Power:	+25dBm
Control Voltage:	-0.5~+5.5V

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

Mechanical

Size*2:	26*26*12mm 1.024*1.024*0.472in
RF Connectors:	SMA Female (Removable)
Power Supply & Control Interface Connectors:	J30J-9ZKP
Mounting:	4-Φ2.8mm through-hole

[2] Exclude connectors.

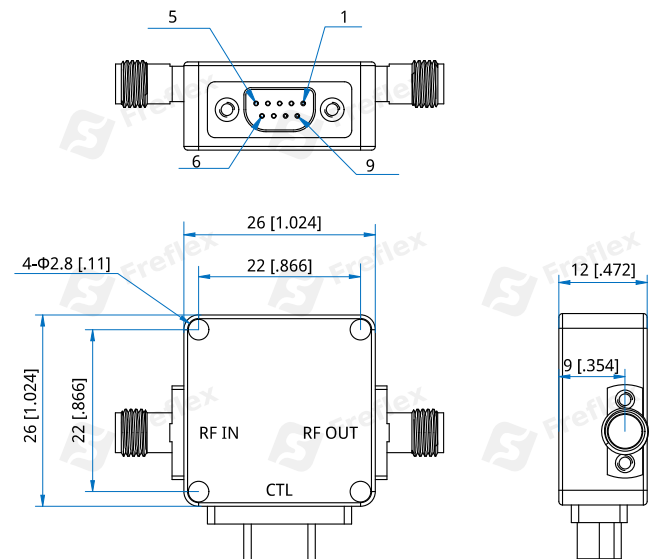
Environmental

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	Pin 9
E1	E2	E3	E4	E5	E6	NC	VEE	GND

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Logic Table

E1	E2	E3	E4	E5	E6	VEE	Phase Shift
0	0	0	0	0	0	-5V	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

FDPS-200-2000-360-6

Customization is available upon request.

Typical Performance Curves

