

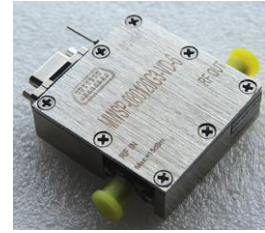
## 数控移相器

MWSP-060080M3-VD-6

50 Ω 相位 360° 60MHz to 80MHz

### Features

- wideband, 60M~80MHz
- Low Insertion Loss: 3.0 dB
- Control 6 Bit
- 360° Coverage,



### Typical Applications

- EW Receivers
- Weather & Military Radar
- Satellite Communications
- Beamforming Modules
- Phase Cancellation

### Electrical Specifications

TA=+25°C Vdd=+12V Vc=0/+5V 50 Ohm System

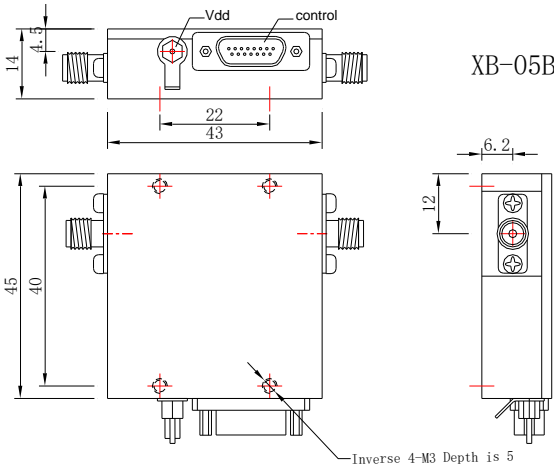
Parameter	State	Min.	Typ.	Max.	Units
Frequency Range		60	-	80	MHz
Insertion Loss*	at all wideband frequency	-	3.0	-	dB
Input Return Loss*	at all wideband frequency	-	2.5	3.0	dB
Output Return Loss*	at all wideband frequency	-	2.5	3.0	dB
Phase Error*	At all wideband frequency	-	+/- 5.0	+20/-5.0	deg
RMS Phase Error		-		5.0	deg
Input Power for 1 dB Compression			10		dBm
Control Voltage		0	-	15	V

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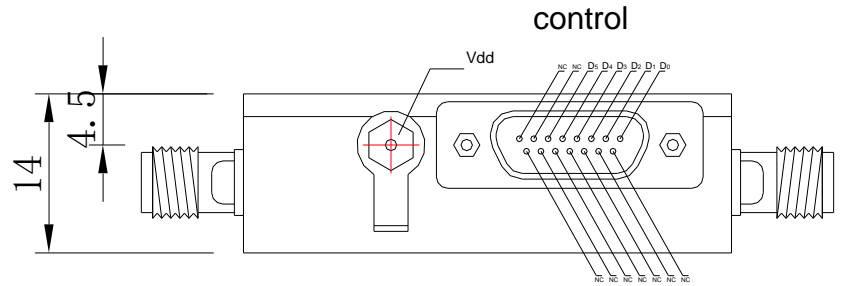
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## Outline Drawing



## Control Drawing



## Absolute Maximum Ratings

Operating Temperature	-40°C to 70°C
Storage Temperature	-55°C to 100°C
Bias Voltage Range (Vdd)	15V
Control Voltage Range (Vc)	5.0 V
Input Power (RFIN)	23 dBm

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

## Control Voltage

State	Voltage
Low(0)	0 to +0.5V
High(1)	+3 to +5V(Note 5)

Note 5 : 内置上拉电阻 (约500 kΩ) , 悬空时代表High

## Truth Table

Control Voltage Input						Phase Shift (Degrees)
D5	D4	D3	D2	D1	D0	RFIN - RFout
1	1	1	1	1	1	Reference*
1	1	1	1	1	0	5.625
1	1	1	1	0	1	11.25
1	1	1	0	1	1	22.5
1	1	0	1	1	1	45.0
1	0	1	1	1	1	90.0
0	1	1	1	1	1	180.0
0	0	0	0	0	0	354.375