

17-18GHz Digital Phase Shift

P/N: MZDPH1718GA10B



Description:

The phase shift is a broadband digital Phase shift with a typical loss insertion of 12 dB and a high Phase shift range of 360° across the frequency range of 17 to 18 GHz. The Phase shift step 0.406° with 10bit control. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		17-18		GHz
Insertion Loss		8	12	dB
Input VSWR(@IL)			1.9	-
Output VSWR(@IL)			1.9	-
Phase shift Speed			1	us
Phase Shift Step	0.351			Degree
Phase shift accuracy		±10		Degree
PM/AM			±1	dB
Control Bit TTL		10		Bit
Input Max Power(no damage)			25	dBm
DC Power (Vcc=+/-12V)		200		mA
Control Logic TTL		0/+5		V
Impedance		50		Ω
Input Output Connector		SMA-K/SMA-K		
Material		Aluminium/Nickel Painting		
Weight		50g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

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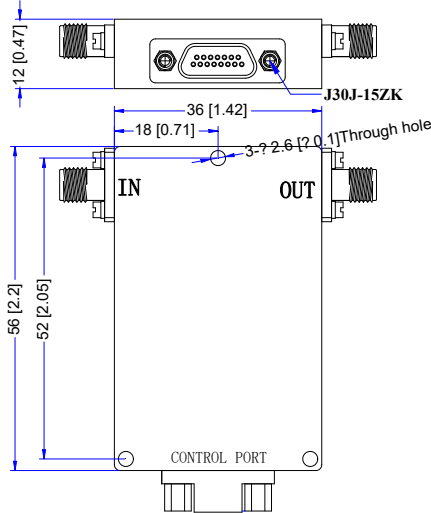
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■ Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



Truth Table

Control TTL Input										Phase shift
C10	C9	C8	C7	C6	C5	C4	C3	C2	C1	
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0.351
0	0	0	0	0	0	0	0	1	0	0.703
0	0	0	0	0	0	0	1	0	0	1.406
0	0	0	0	0	0	1	0	0	0	2.812
0	0	0	0	0	1	0	0	0	0	5.625
0	0	0	0	1	0	0	0	0	0	11.25
0	0	0	1	0	0	0	0	0	0	22.5
0	0	1	0	0	0	0	0	0	0	45
0	1	0	0	0	0	0	0	0	0	90
1	0	0	0	0	0	0	0	0	0	180
1	1	1	1	1	1	1	1	1	1	360

■ J30J-15ZK Define

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
+12V	-12V	GND	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	NC	NC

NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.

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