

DC~8GHz RF Phase Shifter (PN: W22AI0008)

APPLICATION SUMMARY

Phase shifters are used to continuously transform the delay the signal and adjust phase of measure system in RF transmission system and in phase-controlled antenna array radar.

TECHNICAL KEY FEATURES

- Low loss
- High reliability
- Customized Available
- RoHS Compliance



ELECTRICAL SPECIFICATIONS

Impedance: 50Ω

Peak Power: 5KW

(5μs pulse, 2% duty cycle)

Temperature Range:

Operation: -10℃~+50℃

Non-operation: -40℃~+70℃

No.	Average Power (W)	Frequency Range(GHz)	VSWR	Insertion Loss (dB)	Phase Adjustment	Connector Type	Dimensions (mm)	Weight (g)	
1	50	DC-1	≤1.2	≤0.3	0-45°@1GHz	SMA(K,K)	132*48*21 (no display)	200	
2		DC-2	≤1.3	≤0.5	0-90°@2GHz				
3		DC-4	≤1.4	≤0.75	0-180°@4GHz				
4		DC-6	≤1.5	≤1.0	0-270°@6GHz				
5		DC-8	≤1.5	≤1.25	0-360°@8GHz				
6	100	DC-1	≤1.2	≤0.3	0-60°@1GHz	N(K,K) SMA(K,K)	200*76*30.5(analog) (adjustable 0~25)	490	
7		DC-2	≤1.3	≤0.5	0-120°@2GHz				
8		DC-3	≤1.4	≤0.8	0-180°@3GHz		200*76*50.5(digital) (adjustable 0~2500)		
9		DC-4	≤1.4	≤1.0	0-240°@4GHz				
10		DC-6	≤1.5	≤1.0	0-360°@6GHz				
11		DC-8	≤1.5	≤1.25	0-480°@8GHz				

No.	Average Power (W)	Frequency Range(GHz)	VSWR	Insertion Loss (dB)	Phase Adjustment	Connector Type	Dimensions (mm)	Weight (g)
12	100	DC-1	≤1.2	≤0.5	0-90°@1GHz	N(K,K) SMA(K,K)	236*76*30.5(analog) (adjustable 0~37.5)	550
13		DC-2	≤1.3	≤0.8	0-180°@2GHz			
14		DC-3	≤1.4	≤1.2	0-270°@3GHz			
15		DC-4	≤1.4	≤1.2	0-360°@4GHz		241*76*50.5(digital) (adjustable 0~3750)	
16		DC-6	≤1.5	≤1.4	0-540°@6GHz			
17		DC-8	≤1.5	≤1.5	0-720°@8GHz			
18	100	DC-1	≤1.4	≤1.0	0-180°@1GHz	N(K,K) SMA(K,K)	272*76*30.5(analog) (adjustable 0~75)	795
19		DC-2	≤1.5	≤1.5	0-360°@2GHz		277*76*50.5(digital) (adjustable 0~7500)	
20		DC-3	≤1.5	≤1.75	0-540°@3GHz			
21		DC-4	≤1.5	≤2.0	0-720°@4GHz			
22	100	DC-1	≤1.4	≤1.5	0-360°@1GHz	N(K,K) SMA(K,K)	390*76*30.5(analog) (adjustable 0~75)	1800
23		DC-2	≤1.5	≤2.0	0-720°@2GHz		395*76*50.5(digital) (adjustable 0~7500)	
24	100	DC-1	≤1.5	≤2.5	0-900°@1GHz	N(K,K) SMA(K,K)	692*148*67.5 (adjustable 0~187.5)	2700
25	100	90±2MHz	≤1.3	≤2.0	0-180°@1GHz	N(K,K) SMA(K,K)	760*148*87.5 (adjustable 0~210)	4260