

FEATURE:

- Fast switching speeds(down to 20 ns maximum)
- Optimized for lowest phase deviation over band
- RMS phase error $\leq 3^\circ$ typical
- Low insertion loss
- Power handing up to 30 dbm
- IP3(typically 25 dbm)
- Hermetic sealing available



APPLICATION:

- Test equipment
- Radar&Warfare array system
- Communication system

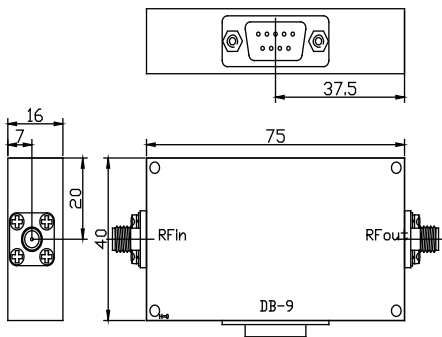
SPECIFICATIONS@25°C:

Part Number	Frequency Range (GHz)	Insertion Loss (dB.Typ)	VSWR (Max)	Switching Speed (ns)	Phase Accuracy (°)	Amplitude Balance (dB)Max	Phase Shift (°)	Step Size (°)	Control (Bits)	Power Handling (dBm)	Case Type
MPS002004B6M	0.2-0.4	2.5	1.5:1	800	± 2	± 1	360	5.625	6	/	PH16
MPS002004B8M	0.2-0.4	3	1.5:1	800	± 2	± 1	360	1.4	8	/	PH3
MPS005020B6M	0.5-2	3	1.5:1	500	± 2	± 1	360	5.625	6	/	PH16
MPS005020B8M	0.5-2	18.5	2:1	/	/	/	180	1.40625	8	/	PH17
MPS005020B8L	0.5-2	13	1.7:1	500	10	1	360	1.4	8	30	PH3
MPS009015B6M	0.9-1.5	4	1.5:1	300	± 3	/	360	5.625	6	27	PH1
MPS009009B8M	0.92-0.925	8	1.7:1	500	± 4	± 1	360	1.4	8	/	PH3
MPS010011B6M	1-1.12	3	1.5:1	/	5.625	0.5	360	5.625	6	15W	PH14
MPS020023B6M	2-2.3	4	1.6:1	500	6	1	360	5.626	6	27	PH6
MPS021024B6L	2.1-2.4	3.5	1.4:1	600	3	0.5	360	5.626	6	20	PH1/PH2
MPS021024B6M	2.1-2.4	3.5	1.4:1	300	3	0.5	360	5.625	6	27	PH1/PH2
MPS020040B5L	2-4	3.5	1.6:1	750	3	1	360	11.25	5	27	PH2
MPS020040B6L	2-4	4	1.5:1	300	3	0.6	360	5.625	6	27	PH1
MPD020040B8M	2-4	8	1.7:1	500	4	1	360	1.4	8	27	PH3
MPS020080B8L	2-8	20	2:1	/	/	/	180	1.40625	8	/	PH17
MPS022023B6L	2.2-2.3	/	18dB	/	/	/	360	5.625	6	-70~-30	PH1
MPS022023B10L	2.2-2.3	6	1.5:1	500	3	1	360	0.35	10	20	PH13
MPS023025B5M	2.3-2.5	3.6	1.6:1	750	3	1	360	11.25	5	27	PH2
MPS023024B6L	2.342-2.442	3	1.4:1	360	3	0.5	360	5.625	6	20	PH1/PH2
MPH246244B6L	2.44-2.46	3.5	1.4	300	3	0.5	360	5.625	6	27	PH1
MPS029034B8L	2.9-3.4	4	1.8:1	/	5	/	360	/	8	/	PH8
MPS030035B6L	3.0-3.5	2.2	1.5:1	750	3	0.5	360	5.625	6	20	PH1/PH2

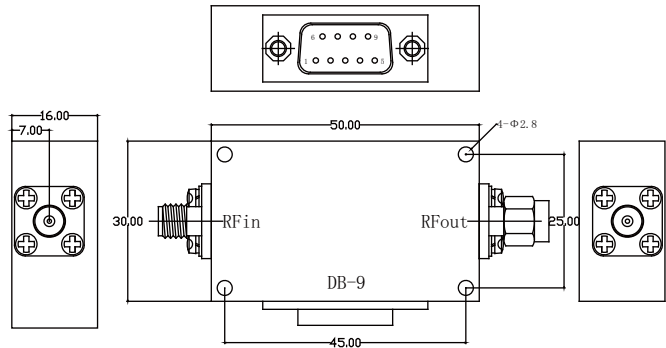


DIGITAL PHASE SHIFTER

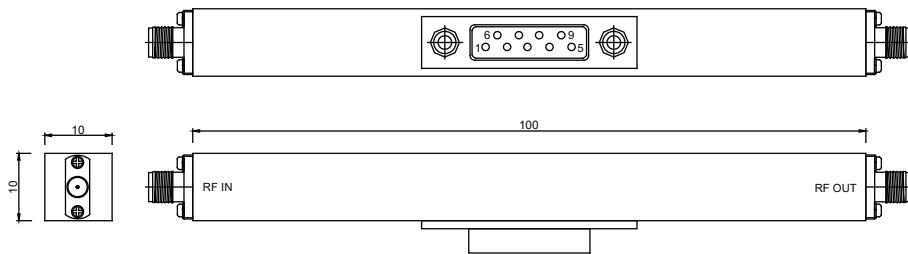
Part Number	Frequency Range (GHz)	Insertion Loss (dB.Typ)	VSWR (Max)	Switching Speed (ns)	Phase Accuracy (°)	Amplitude Balance (dB)Max	Phase Shift (°)	Step Size (°)	Control (Bits)	Power Handling (dBm)	Case Type
MPS030060B8M	3-6	7	1.7:1	500	±4	±1	360	1.4	8	27	PH3
MPS036042B5L	3.6-4.2	3.5	1.5:1	750	3	0.5	348.75	11.25	5	20	PH1/PH2
MPS040080B8L	4-8	10	2:1	600	5	/	360	1.4	8	/	PH15
MPS053059B5L	5.3-5.9	4	1.5:1	300	3	1	348.75	11.25	5	20	PH1/PH2
MPS065075B6L	6.5-7.5	5	1.5:1	300	3	0.5	360	5.625	6	20	PH1/PH2
MPS070120B8L	7-12	10	2:1	5us	5	/	360	1.4	8	27	PH10
MPS079086B6L	7.9-8.6	/	12dB	/	/	/	360	5.625	6	-70~-30	PH1
MPS080120B5L	8-12	9.8	2:1	100	5	/	348.75	11.25	5	23	PH17
MPS080120B6L	8-12	8	1.8:1	2us	4	/	360	5.6	6	27	PH11
MPS080120B8L	8-12	10	2:1	5us	5	/	360	1.4	8	27	PH10
MPS080120B10L	8-12	10	2:1	5us	5	/	360	0.35	10	27	PH12
MPS080180B8L	8-18	18	2.2:1	/	/	/	180	1.40625	8	/	PH17
MPS090110B4L	9-11	5.5	1.8:1	5000	5	0.5	337.5	22.5	4	27	PH2
MPS140150B5L	14-15	8.5	2:1	5us	5	/	360	11.25	5	27	PH9
MPS248252B5H	24.8-25.2	2	1.9:1	1000	5	0.2	360	11.25	5	30	PH4
MPS250250B5H	25-25	10	2:1	100	2	0.2	360	11.25	5	100	PH5
MPS255270B8L	25.5-27	16.5	2.2:1	500	/	/	180	1.4	8	10	PH18



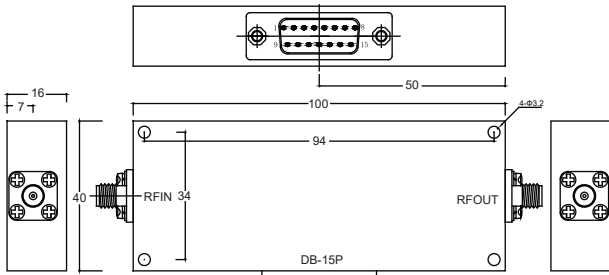
PH1



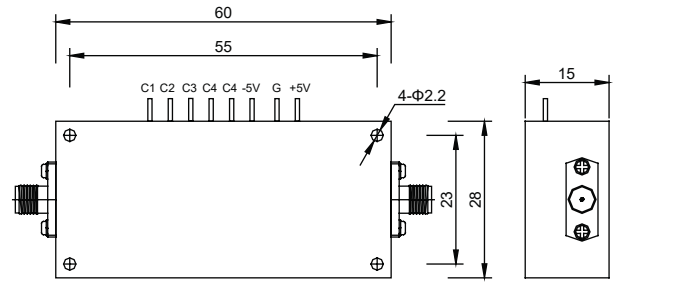
PH2



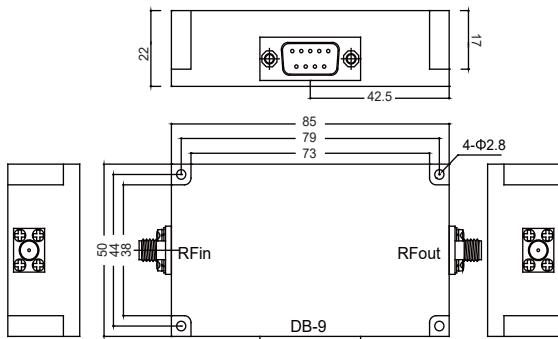
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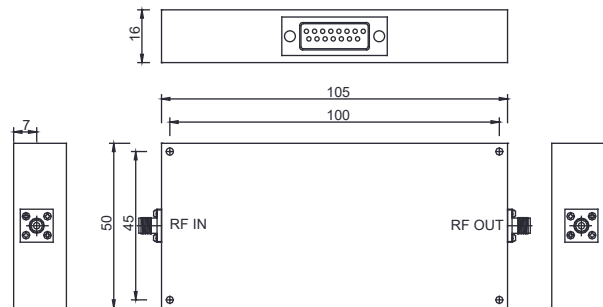
PH3



PH5



PH6



PH8

