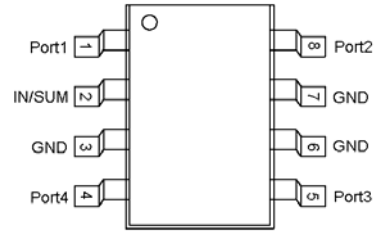


➤ **Product features ver1.04**

- 1, Low cost
- 2, Excellent amplitude, excellent phase balance
- 3, Both SOIC-8 type package and spool package with positive voltage controlling are available



➤ **Product description**

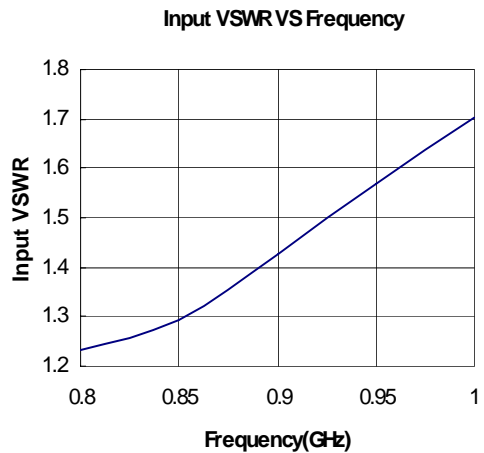
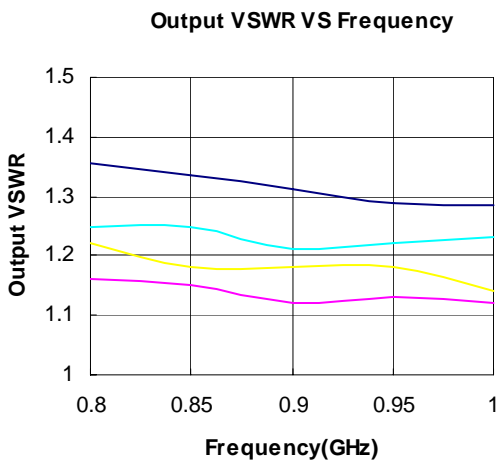
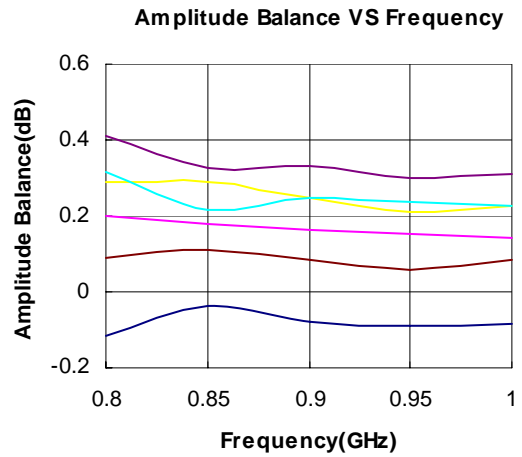
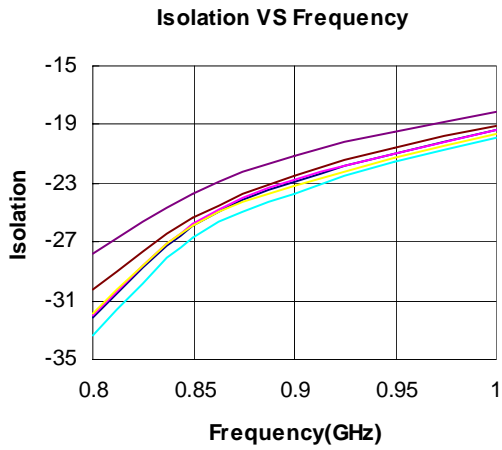
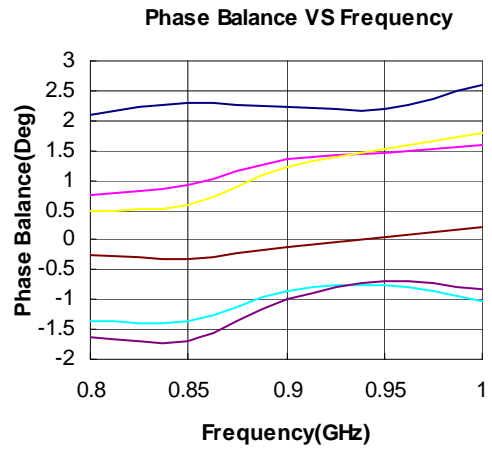
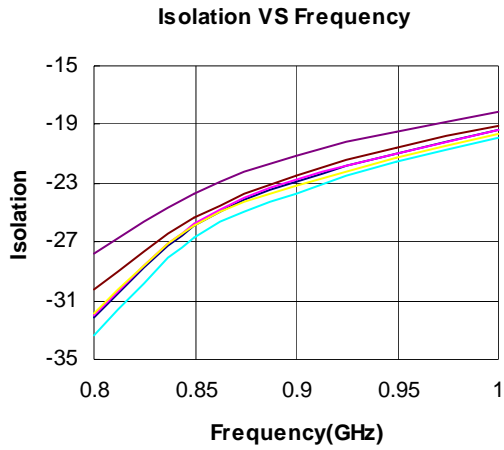
D09-4 is a GaAs monolithic duplex-feeding homophase power divider/hybridizer which could be applied to 0.81-0.96GHz frequency band, it uses SOIC-8 plastic package. It has features like highly isolated`low insertion loss` excellent matching in input/output. D09-4 can be used in different communication systems, like mobile` GSM/CDMA base station etc..

➤ **Typical electronic feature (at 25°C)**

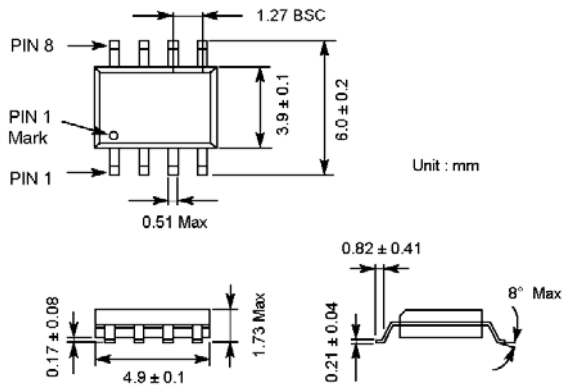
Feature ¹	Min	Typic	Max	Unit
Frequency	0.81		0.96	GHz
Insertion loss (6dB or above)		1	1.6	dB
Percentage Isolating	19	25		dB
Input VSWR		1.3:1	1.6:1	
Output VSWR		1.2:1	1.5:1	
Amplitude H.L.B		±0.4	±0.6	dB
Phase position H.L.B		±3	±8	Deg.

1. All tests should be finished under system 50Ω except special specification.

Typical feature graphic chart



➤ **SOIC-8 outline drawing**



➤ **Absolute maximum rating¹**

Subject	Value
Input power ¹	1.5W
Input power ²	0.375W
Operate temperature	-40°C ~ 85°C
Storage temperature	-65°C ~ 150°C
θ_{JC}	25°C/W

1. The max SWR is 2.0:1 for all ends when it is used as power divider;
2. The max SWR is 2.0:1 for all ends when it is used as power hybrider.