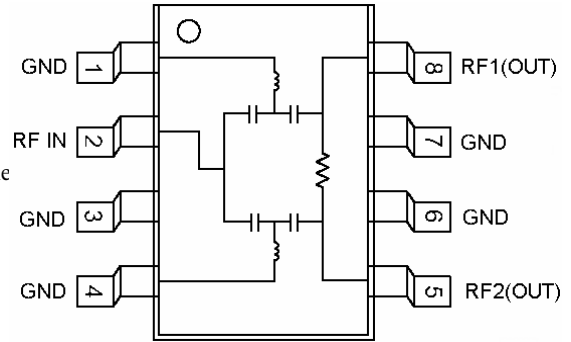


➤ **Product features ver1.04**

- 1, Small size, small outline of figure
- 2, Excellent amplitude, excellent phase balance
- 3, Both SOIC-8 type package and spool package are available



➤ **Product description**

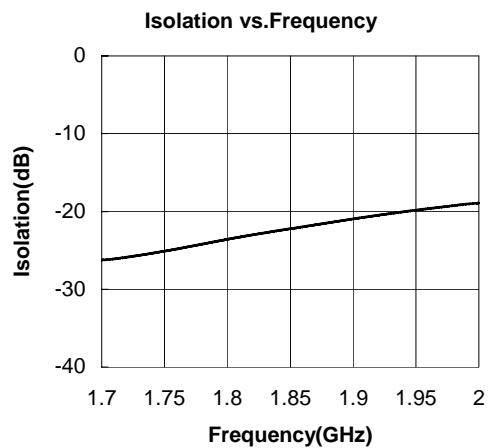
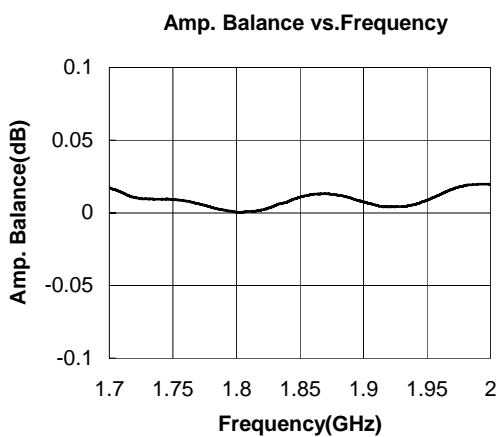
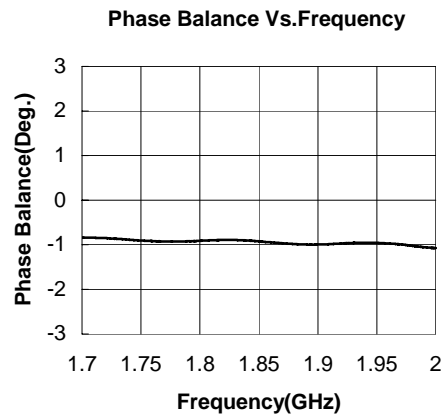
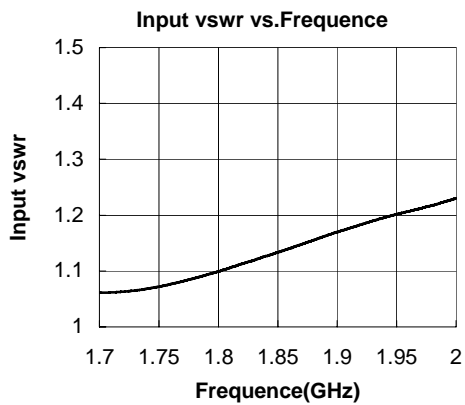
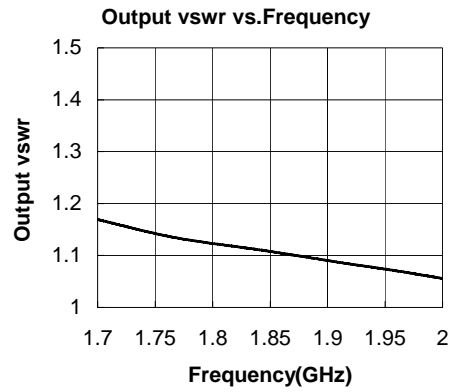
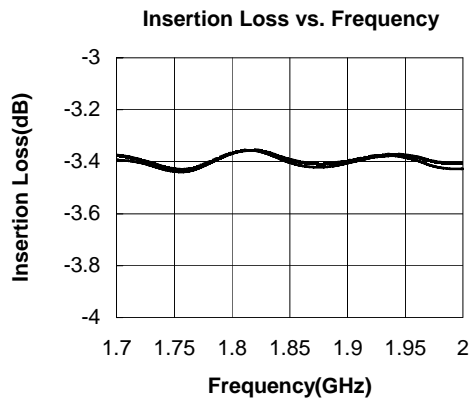
D18 is a GaAs monolithic duplex-feeding homophase power divider/hybridizer which could be applied to 1.71-1.99GHz frequency band, it uses SOIC-8 plastic package. It has features like highly isolated, low insertion loss, excellent matching in input/output. D18 can be used in different communication systems, like GSM/CDMA mobile base station etc..

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

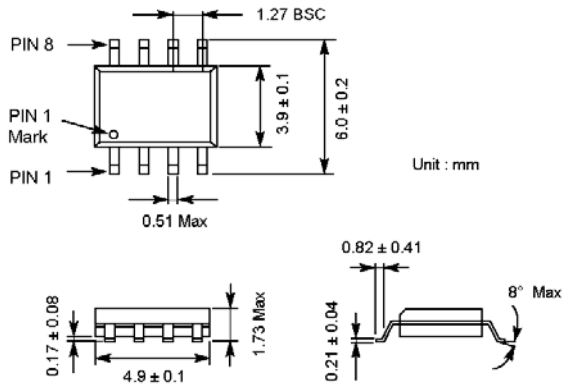
Feature ¹	Min	Typical	Max	Unit
Frequency	1.71		1.99	GHz
Insertion loss(3dB or above)		0.4	0.6	dB
Percentage Isolating	18	22		dB
Input VSWR		1.2	1.4	
Output VSWR		1.2	1.3	
Amplitude H.L.B		±0.1	±0.2	dB
Phase position H.L.B		±1	±3	Deg.

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	0.75W
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.