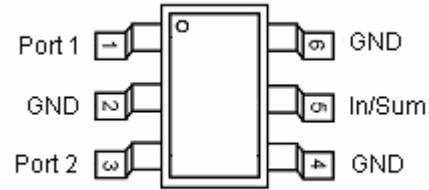


Product features ver1.04

- 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**

D22 is a GaAs monolithic doplex-feeding homophase power divider/hybridizer which could be applied to 2.1-2.3GHz frequency band, it uses SOT-6 plastic package. It has features like highly isolated`low insertion loss` excellent matching in input/output. D22 can be used in different communication systems, like mobile` GSM/CDMA base station etc..

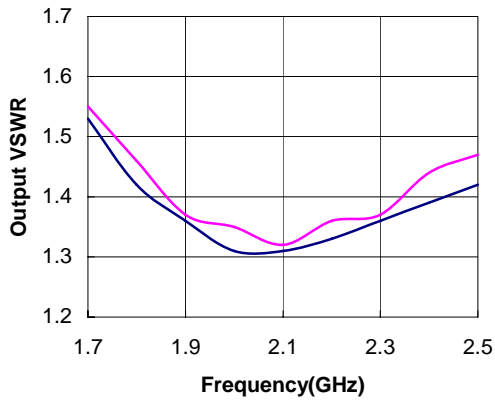
➤ **Typical electronic feature (at 25°C)**

Feature ¹	Min	Typical	Max	Unit
Frequency	2.1		2.3	GHz
Insertion loss(3dB or above)		0.55	0.7	dB
Percentage Isolating	15	18		dB
Input VSWR		1.5:1	1.7:1	
Output VSWR		1.3:1	1.5:1	
Amplitude H.L.B		±0.1	±0.2	dB
Phase position H.L.B		±2	±3	Deg.

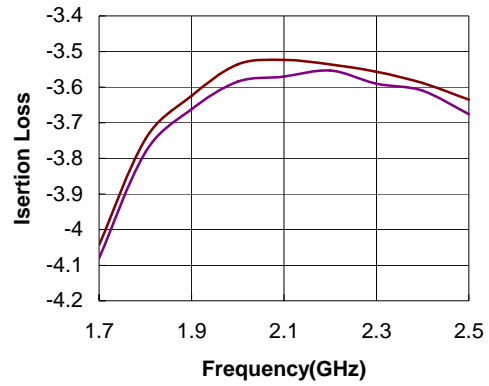
1, All tests should be finished under system 50Ω except special specification.

➤ Typical feature graphic chart

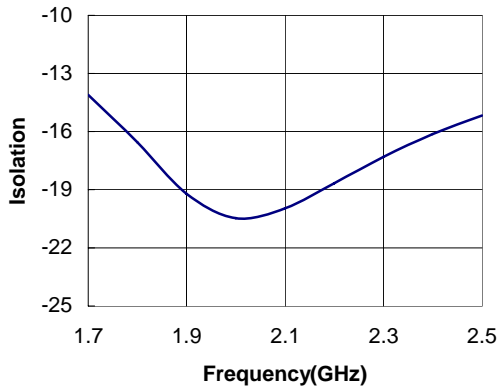
Output VSWR VS Frequency



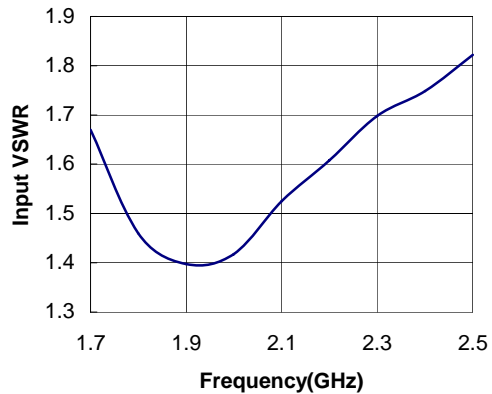
Insertion Loss VS Frequency



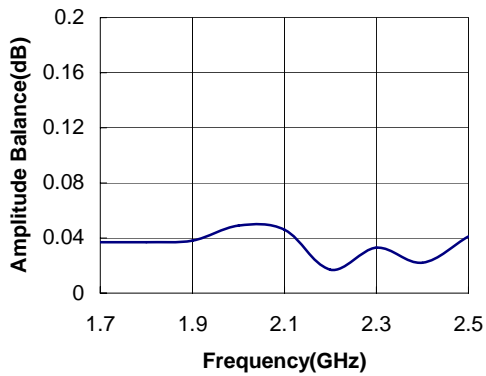
Isolation VS Frequency



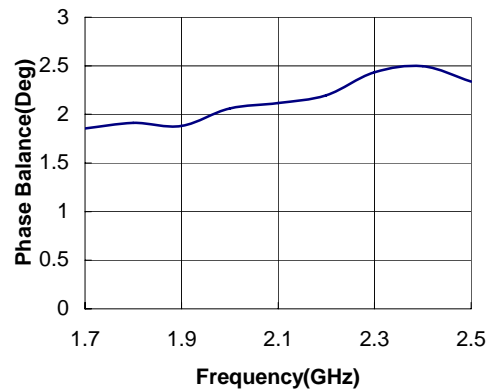
Input VSWR VS Frequency



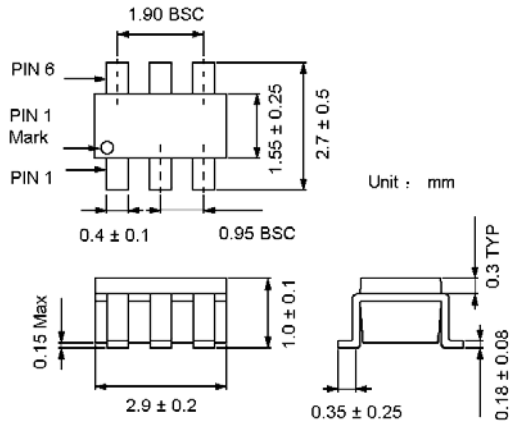
Amplitude Balance VS Frequency



Phase Balance VS Frequency



➤ SOT-6 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
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.