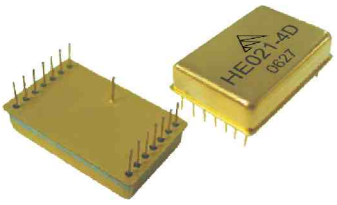
HE021-4A/HE021-4D

4 way 0° Power Combiner/Splitter





Features

- Low insertion loss, High isolation
- Perfect phase/amplitude balance
- Low VSWR
- 50 Ω impedance
- Hermetic SP-2, DIP-15 package
- Operating temperature:-55℃～+85℃

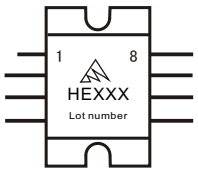
Specifications(measured in a 50 Ω system T_A=-55℃～+85℃)

Parameter / number	Frequency Range MHz	Insertion loss dB (Max)	Isolation dB (Min)	Phase Balance deg (Max)	Amplitude Balance dB (Max)	VSWR (Max)
HE021-4A	20～1200	2.1	15 △	7° △	1.0	1.5:1
HE021-4D	20～1200	2.0	20 △	5° △	0.8	1.5:1

" △ " Measured at T_C=24±1℃

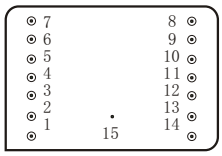
Absolute Maximum Ratings

Input power : 1W
Storage temp:+125℃



SP-2

1.N/C 5.Output
2.Input 6.Output
3.N/C 7.Output
4.N/C 8.Output
Metal case is ground



DIP-15

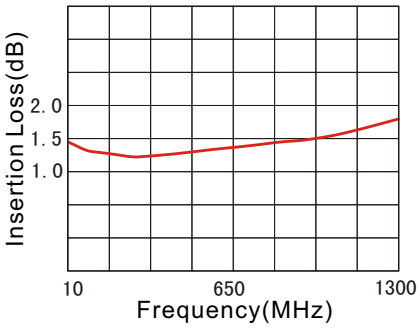
4 Input
8、10、12、14 Output
1、2、3、5、6、7、9、13 GND
11 N/C

Application Notes

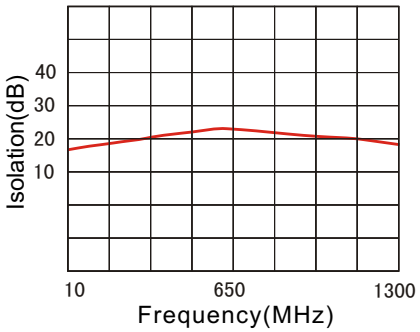
1.Input/output pins should be connected to 50 Ω microstrip.
2.The bottom should be place as close to ground as possible for better RF grounding.
3.See assembly section for mounting information
4.HE021-4A: SP-2 package
HE021-4D: DIP-15package

Typical Performance

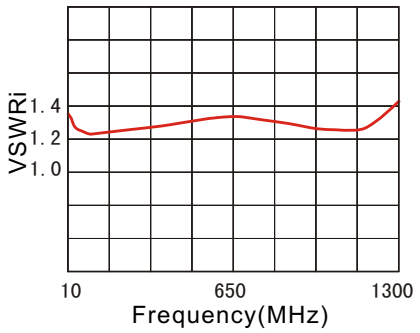
Insertion Loss vs. Frequency



Isolation vs. Frequency



VSWRi vs. Frequency



VSWRo vs. Frequency

