



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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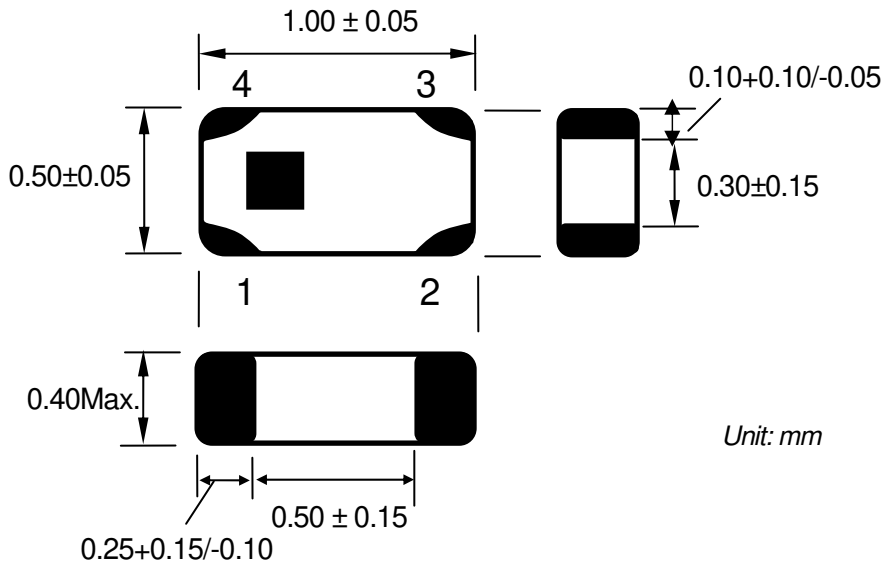
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# MULTILAYER DIRECTIONAL COUPLER SPECIFICATION

P/N: **HHM2910E1**

## [MECHANICAL DIMENSIONS]



### Pin configuration

1. Coupling
2. 50 ohm term
3. Output
4. Input

Unit: mm

## ELECTRICAL CHARACTERISTICS

Frequency	Coupling	Ins.Loss(1)	Ins.Loss(2)	Isolation	VSWR
1710-1755	21.2+/-1.0	0.22 Max.	0.25 Max.	34 Min.	1.4 Max.
1750-1980	20.5+/-1.0	0.22 Max.	0.25 Max.	34 Min.	1.4 Max.
1980-2025	19.9+/-1.0	0.22 Max.	0.25 Max.	34 Min.	1.4 Max.
MHz	dB	dB	dB	dB	

Ins. Loss(1):at 25 degree

Ins.Loss(2):at Operating Temperature

## TEMPERATURE RANGE

Storage Temperature : -40 ~ +85 °C

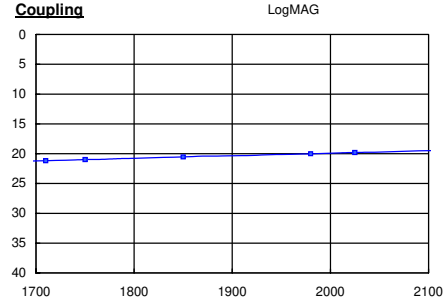
Operating Temperature : -40 ~ +85 °C

**[FREQUENCY CHARACTERISTICS]**

**HHM2910E1**

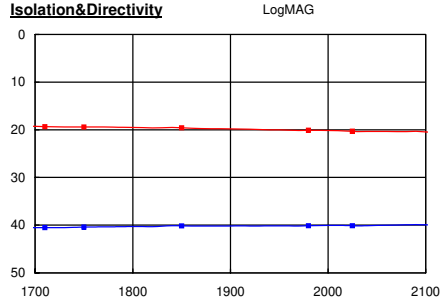
Sample data

**Coupling**



1710 MHz	21.2 dB
1750 MHz	21.0 dB
1850 MHz	20.6 dB
1980 MHz	20.0 dB
2025 MHz	19.8 dB

**Isolation&Directivity**



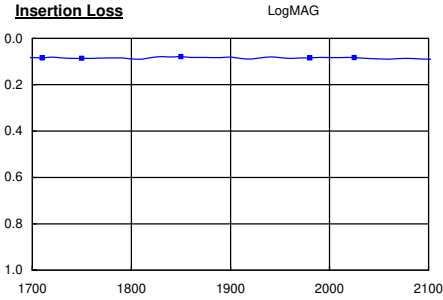
**Isolation**

1710 MHz	40.5 dB
1750 MHz	40.4 dB
1850 MHz	40.2 dB
1980 MHz	40.1 dB
2025 MHz	40.1 dB

**Directivity**

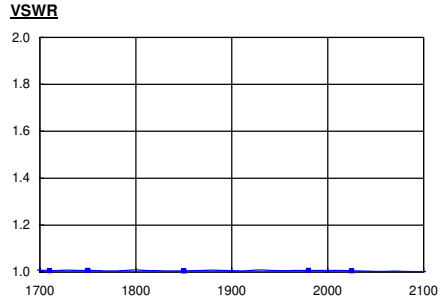
1710 MHz	19.3 dB
1750 MHz	19.4 dB
1850 MHz	19.6 dB
1980 MHz	20.1 dB
2025 MHz	20.3 dB

**Insertion Loss**



1710 MHz	0.08 dB
1750 MHz	0.09 dB
1850 MHz	0.08 dB
1980 MHz	0.08 dB
2025 MHz	0.08 dB

**VSWR**



1710 MHz	1.01
1750 MHz	1.01
1850 MHz	1.01
1980 MHz	1.01
2025 MHz	1.01

**[RECOMMENDED LANDPATTERN]**

