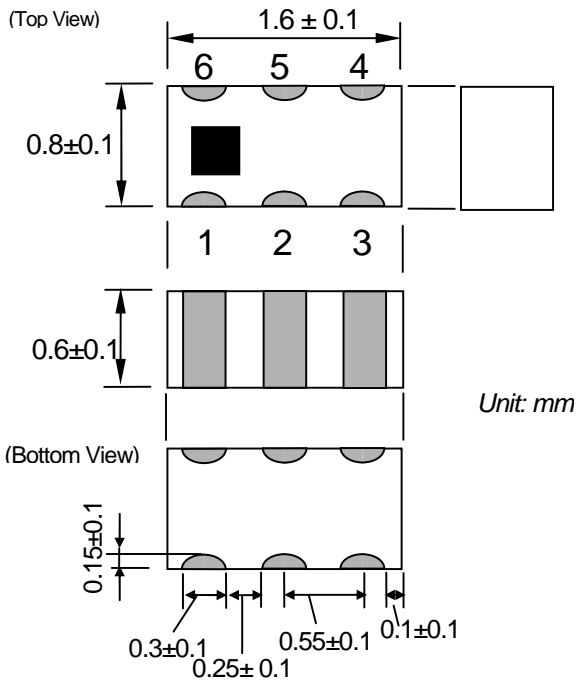


MULTILAYER BALUN SPECIFICATION

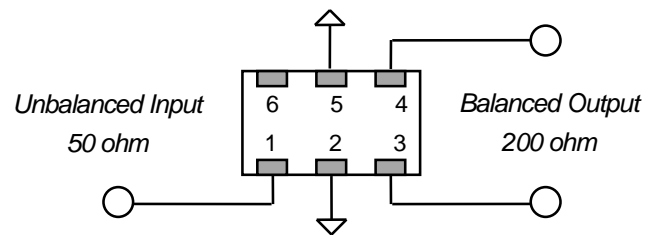
P/N: **HHM1731F1** For DCS Tx+Rx

[MECHANICAL DIMENSIONS]



Pin configuration

1. Unbalanced Port
2. GND or DC feed+ RF GND
3. Balanced Port
4. Balanced Port
5. GND
6. N.C.



[ELECTRICAL CHARACTERISTICS]

Unbalanced Impedance	50 ohm
Balanced Impedance	200 ohm
Frequency Range	1710–1880 MHz
Unbalanced Port Return Loss	10 dB min.
Phase Imbalance at Balanced Port	180 ± 10 deg
Amplitude Imbalance at Balanced Port	0 ± 1.5 dB
Insertion Loss	1.2 dB Max.

[TEMPERATURE RANGE]

Storage Temperature	-40°C ~ +85°C
Operating Temperature	-40°C ~ +85°C

Note: The above PRELIMINARY data are not guaranteed, and are subject to change without notice.

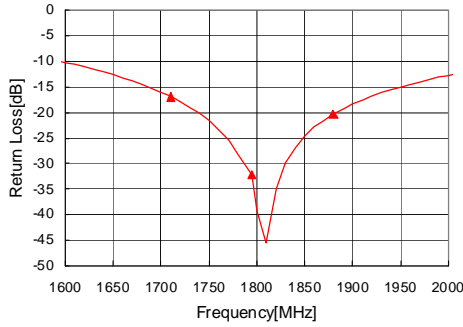


[Frequency response]

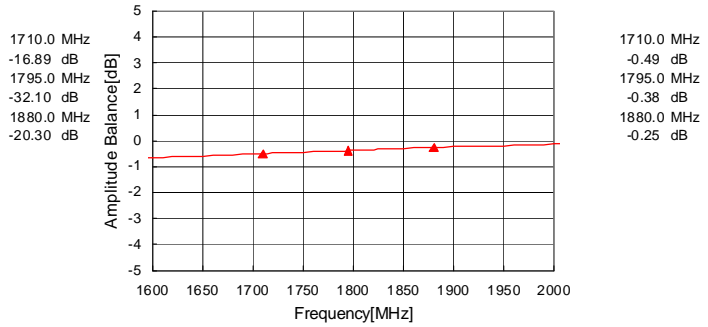
HHM1731F1(UNBALANCE 50ohm/BALANCE 200ohm)

TDK-epc Corporation
2010/Mar.

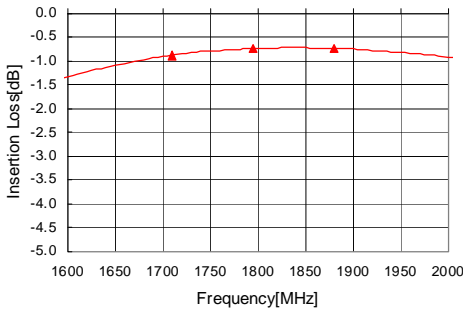
Return Loss



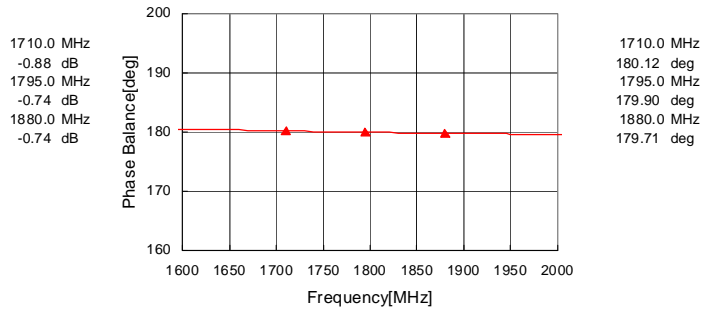
Amplitude Balance



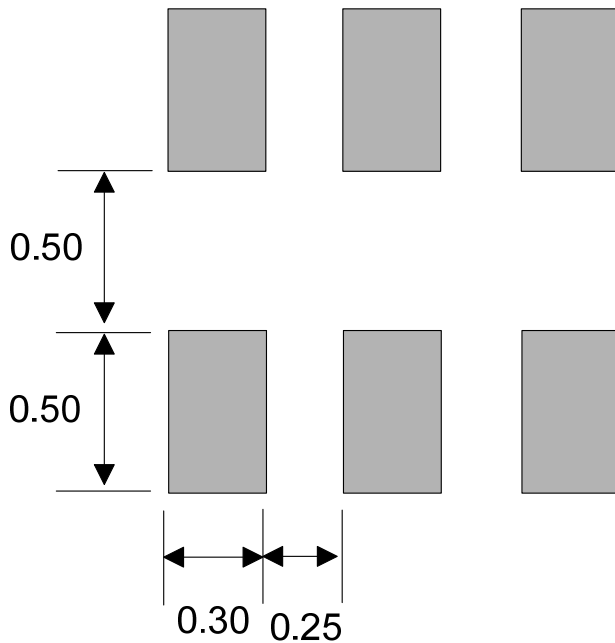
Insertion Loss



Phase Balance



[Recommended Land Pattern]



Note: The above PRELIMINARY data are not guaranteed, and are subject to change without notice.