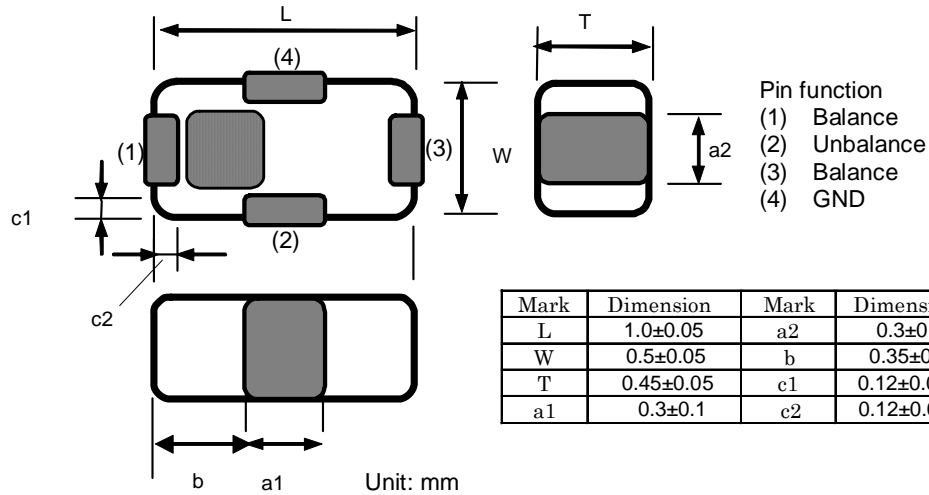


MULTILAYER BALUN SPECIFICATION

P/N: **HHM1942A3**

[MECHANICAL DIMENSIONS]



Pin function
 (1) Balance
 (2) Unbalance
 (3) Balance
 (4) GND

[ELECTRICAL CHARACTERISTICS]

Item	Spec.	Typ.
Unbalanced Impedance	50 ohm	
Balanced Impedance	100 ohm	
Frequency Range	703–803MHz	
Unbalanced Port Return Loss	10 dB min.	14.75 dB
Phase Imbalance at Balanced Port	180 ± 12 deg	174 deg
Amplitude Imbalance at Balanced Port	0 ± 2.0 dB	1.06
Insertion Loss	0.8 dB Max.	0.55 dB

[TEMPERATURE RANGE]

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

[Weight]

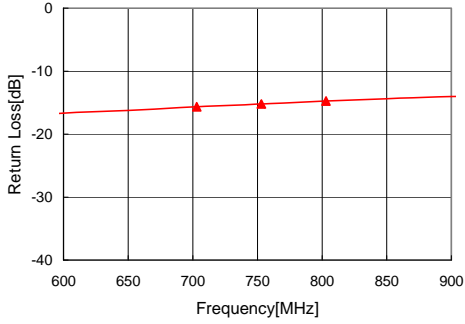
0.8mg

[FREQUENCY CHARACTERISTICS]

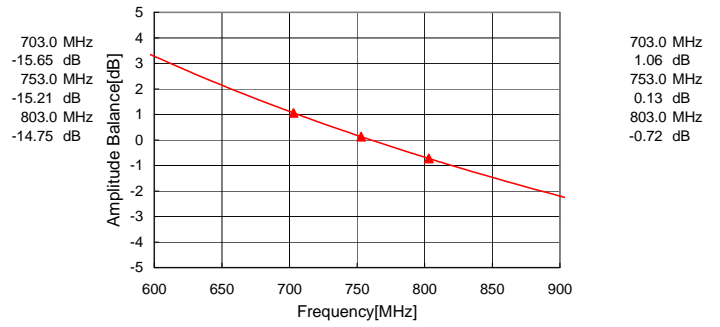
HHM1942A3 (UNBALANCE 50ohm/BALANCE 100ohm) Sample data

TDK-EPC Corporation
 2013/May

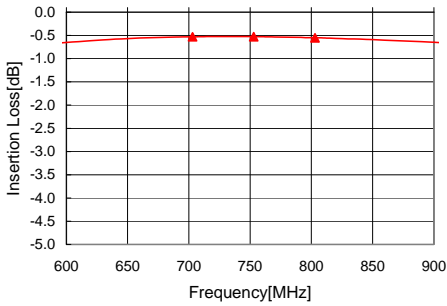
Return Loss



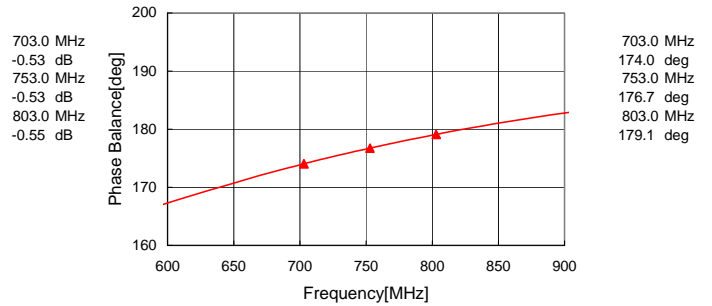
Amplitude Balance



Insertion Loss



Phase Balance



[RECOMMENDED LANDPATTERN]

