

Multilayer chip balun AMB1005 series

Features

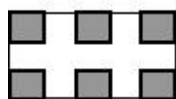
- Small and Low Profiles
- Low Insertion Loss (0.6dB typ. /C2450series)
- RoHS Compliant

Applications

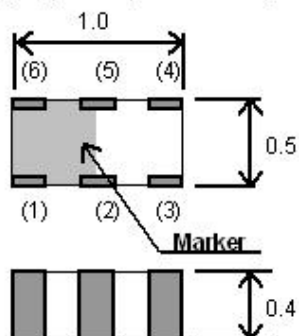
- Bluetooth and Wireless LAN module
- WiMAX and WiBro module.

Dimensions

[Bottom View]



[Top(Marker) & Side View]



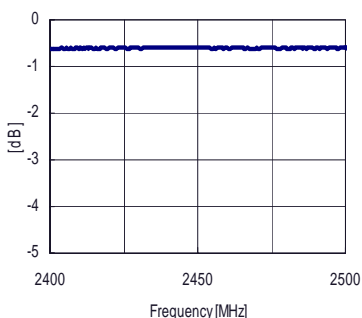
- | | | | |
|-----|------------------|-----|--------------|
| (1) | Unbalance Port | (4) | Balance Port |
| | GND or | | |
| (2) | DC Feed + RF GND | (5) | GND |
| (3) | Balance Port | (6) | NC |

Electric Properties

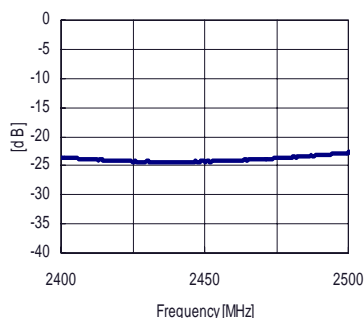
Part Number	Frequency Range [MHz]	Impedance Unbalance/Balance [ohm]	Insertion Loss [dB] typ.	Return Loss [dB] typ.	Phase Balance [deg] typ.	Amplitude Balance [dB] typ.
AMB1005C2350Z05AT	2300-2400	50/ 50	0.7	18	180	0.5
AMB1005C2350Z10AT	2300-2400	50/100	0.7	20	180	0.5
AMB1005C2450Z05AT	2400-2500	50/ 50	0.7	18	180	0.5
AMB1005C2450Z10AT	2400-2500	50/100	0.6	20	180	0.5
AMB1005C2500Z05 AT	2300-2700	50/ 50	0.8	15	180	1.0
AMB1005C2500Z10 AT	2300-2700	50/100	0.7	15	180	1.0
AMB1005C2585Z05AT	2545-2625	50/ 50	0.7	20	180	1.0
AMB1005C2585Z10AT	2545-2625	50/100	0.6	20	180	0.5

Typical Characteristics: AMB1005C2450Z10AT

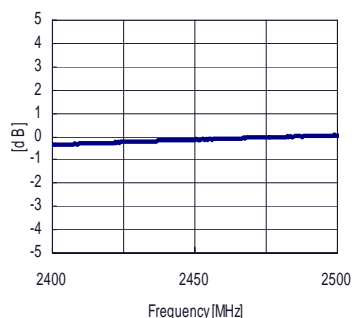
Insertion Loss



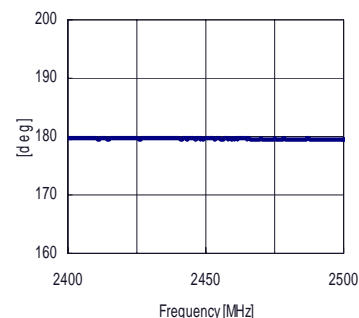
Unbalance Port Return Loss



Amplitude Balance



Phase Balance



Note: This catalog is effective from December, 2009. The contents of this catalog are subject to change without prior notice as a result of product improvement or discontinuation. Therefore, please be sure to check our sales representatives about the contents before your ordering. Product specifications described in this catalog are for reference only. So, please obtain specification sheets separately to check the contents.