Thin-film Balun

For 2300-2690MHz (50-100Ω)

TFSZ Series

Type: **TFSZ06052460-3310A2**

Issue date: May 2013

- All specifications are subject to change without notice.
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

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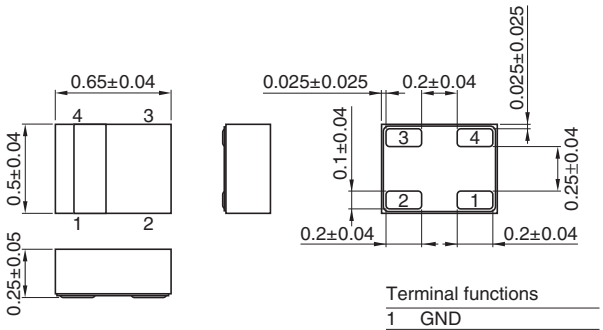
For 2300-2690MHz (50-100Ω)

Conformity to RoHS Directive

TFSZ Series TFSZ06052460-3310A2

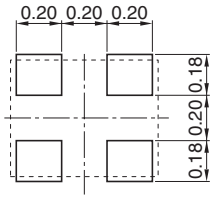
SHAPES AND DIMENSIONS



Terminal functions	
1	GND
2	Unbalanced port
3	Balanced port
4	Balanced port

Dimensions in mm

RECOMMENDED PC BOARD PATTERNS



Dimensions in mm

Line width be designed to mach 50Ω characteristic impedance depending on PCB Material and thickness.

ELECTRICAL CHARACTERISTICS

Unbalanced impedance		50Ω
Balanced impedance		100Ω
Frequency range		2300 to 2690MHz
Unbalanced port return loss		10dB min.
Phase imbalance at balanced port		180±10deg.
Amplitude imbalance at balanced port		0±2.5dB
Insertion loss	[+25°C]	0.55dB max.
	[–40 to +85°C]	0.65dB max.
Temperature range	Operating	–40 to +85°C
	Storage	–40 to +85°C
Packaging style and quantities		10,000pieces/reel

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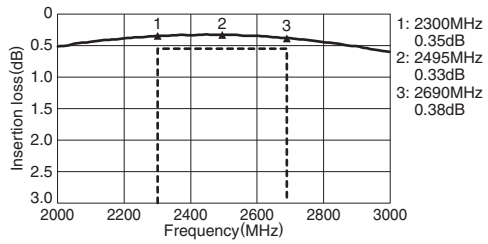
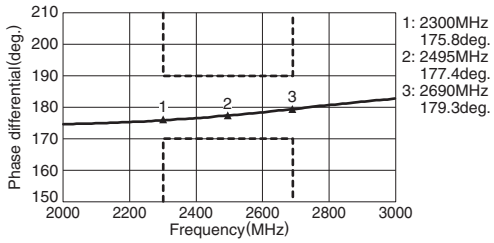
FREQUENCY CHARACTERISTICS

Unbalance 50Ω/Balance 100Ω

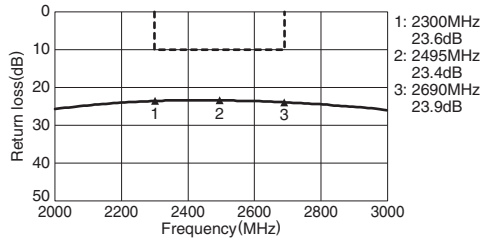
INSERTION LOSS



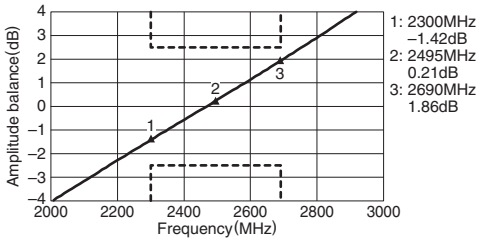
PHASE DIFFERENTIAL



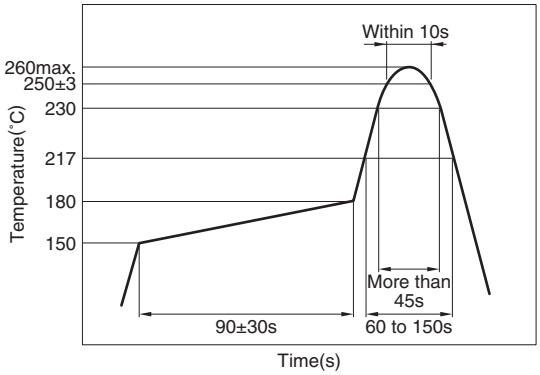
RETURN LOSS



AMPLITUDE BALANCE



RECOMMENDED REFLOW SOLDERIG CONDITION



* In this product, the recommended soldering condition is 'reflow'.
Reflow Soldering : Maximum 2 times