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P/N	ESLB-P245BA- [ ]	DATE.	'04- 11- 4
DWN.	M.Uchida	DATA-No.	2MT44376

# 2.4-2.5GHz Band Chip Multilayer Band Pass Filter

## ESLB-P245BA-[ ]

### BPF with Balun

### Ver.C

**CONFIDENTIAL**

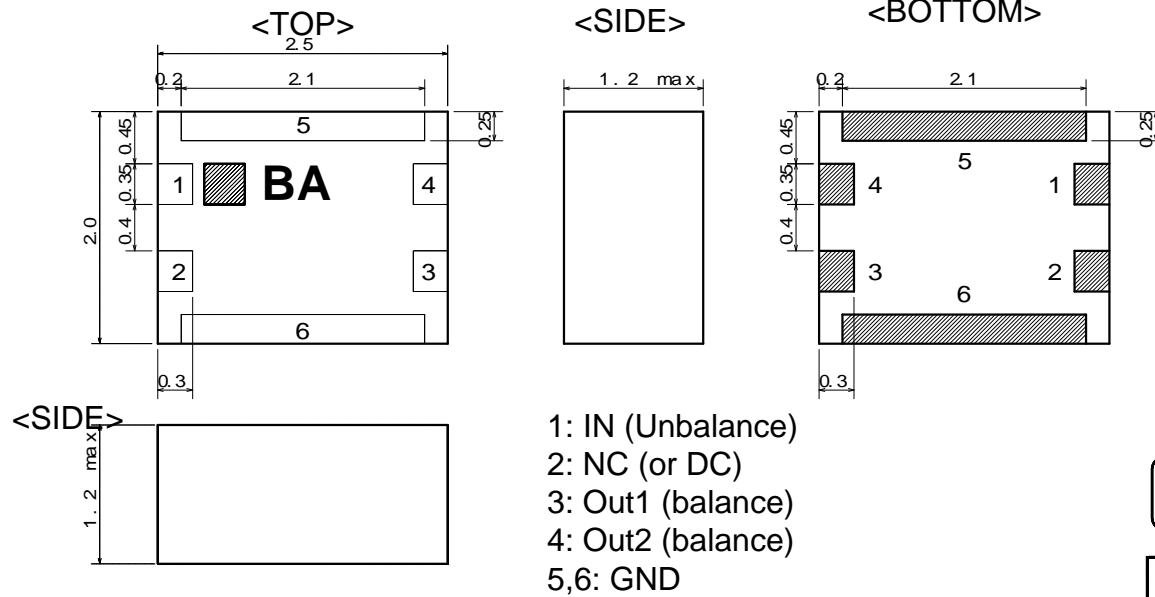
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**Materials Mag!c**  
Hitachi Metals

### Shape and Size

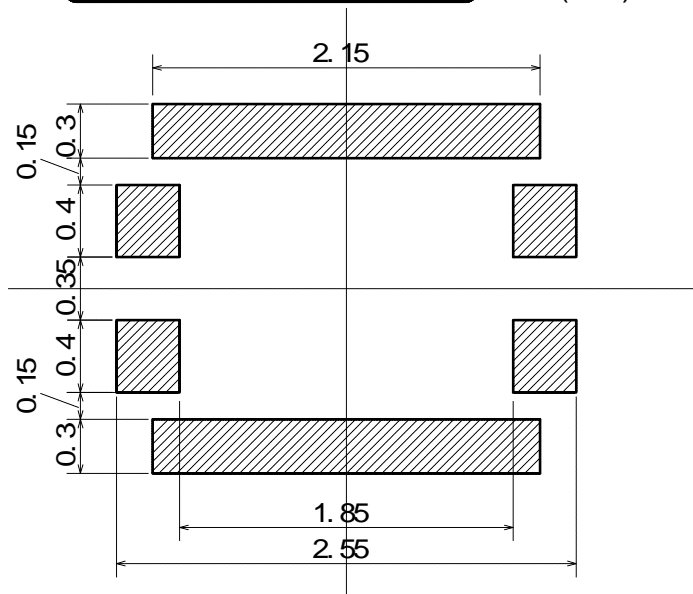
Unit (mm)



- 1: IN (Unbalance)
- 2: NC (or DC)
- 3: Out1 (balance)
- 4: Out2 (balance)
- 5,6: GND

### Foot Pattern

Unit (mm)



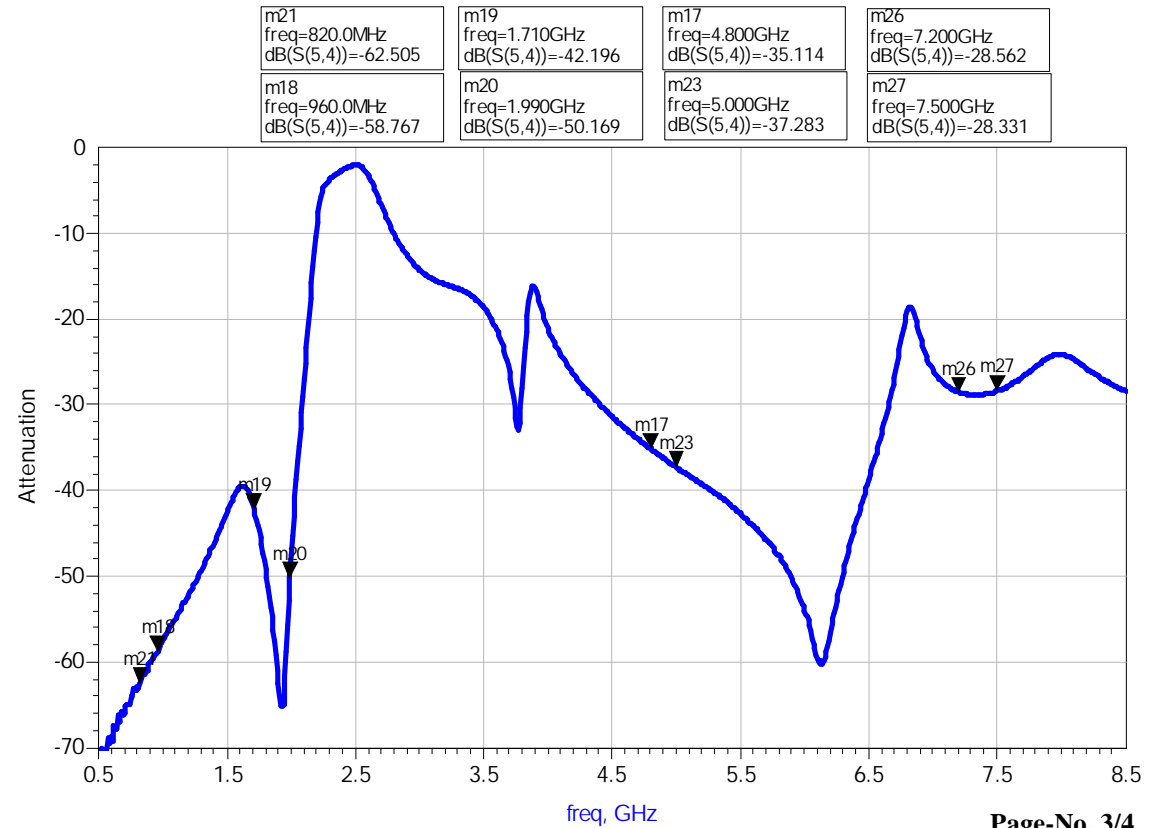
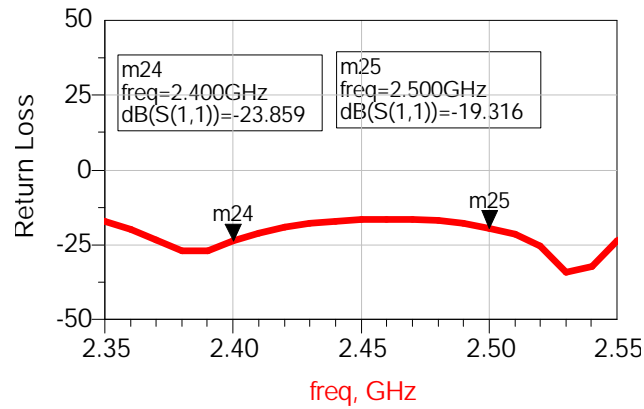
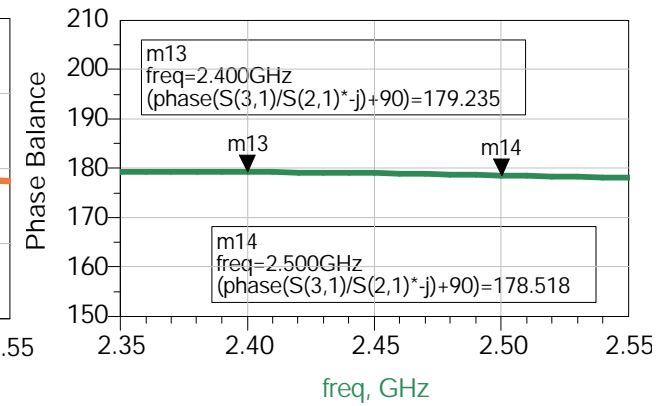
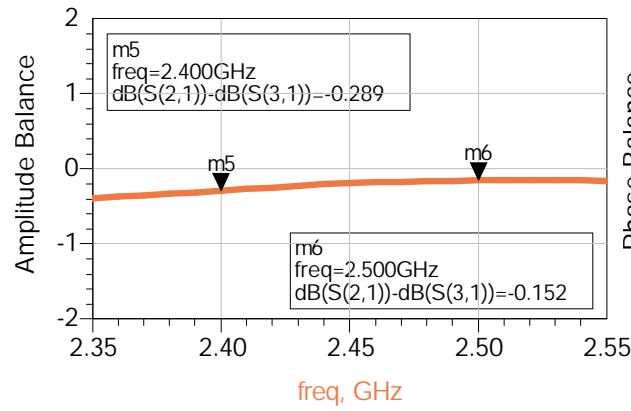
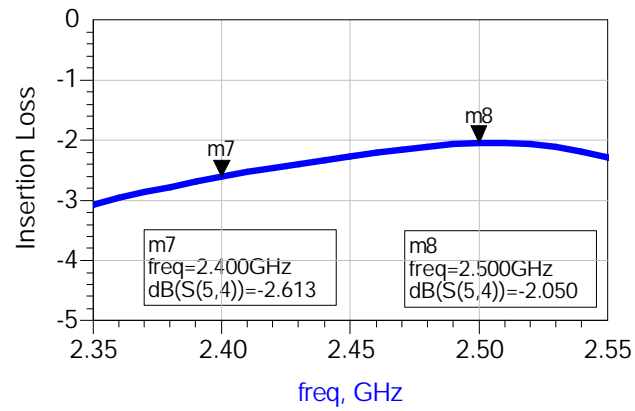
### Specification

Parameter	Unit	
Center Frequency( $f_0$ )	MHz	2450
Passband Width	MHz	$f_0 \pm 50$
Insertion Loss	dB	3.5 max
Input Ret.Loss	dB	10 min
Attenuation1 (at 824-960MHz)	dB	50 min
Attenuation2 (at 1710-1990MHz)	dB	35 min
Phase balance	deg.	180 $\pm$ 10
Amplitude balance	dB	1.0 max
Impedance ratio	Ohm	50:50 or 50:100
ESLB-P245BA-1		50:50
ESLB-P245BA-2		50:100

# ESLB-P245BA-1 sample DATA

Data-No.2MT44376

(Impedance ratio 50:50)



# ESLB-P245BA-2 sample DATA

Data-No.2MT44376

(Impedance ratio 50:100)

