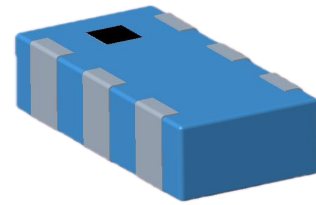


# 1:4 LTCC Transformer

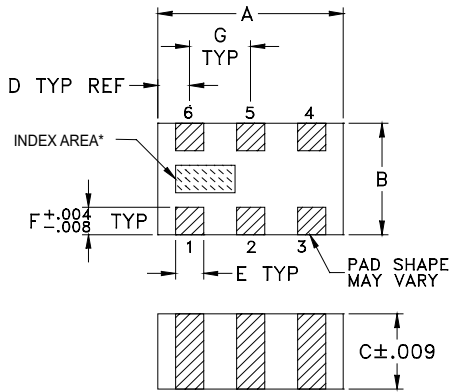
## EDB2012-5120C-001

2022-07-16 Rev. 1



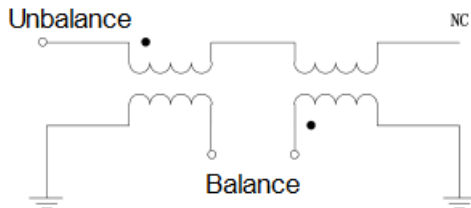
50Ω 1:4 Chip Multilayer Hybrid Baluns 4000-5500 MHz

### OUTLINE DIMENSIONS (Inches/mm)

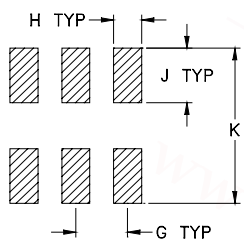


A	B	C	D	E	F
.079	.049	.033	.014	.012	.010
2.01	1.24	0.84	0.36	0.30	0.25

### CONFIGURATION



### PCB LAND PATTERN (Inches/mm)



Suggested Layout,  
Tolerance to be within ±.002

G	H	J	K
.026	.014	.039	.110
0.66	0.36	1.00	2.80

### PAD CONNECTIONS

PRIMARY DOT (Unbalanced Port)	1
PRIMARY (GND)	2
SECONDARY DOT (Balanced)	4
SECONDARY (Balanced)	3
NO CONNECTION	6
NOT USED (GND Externally)	5

### Features

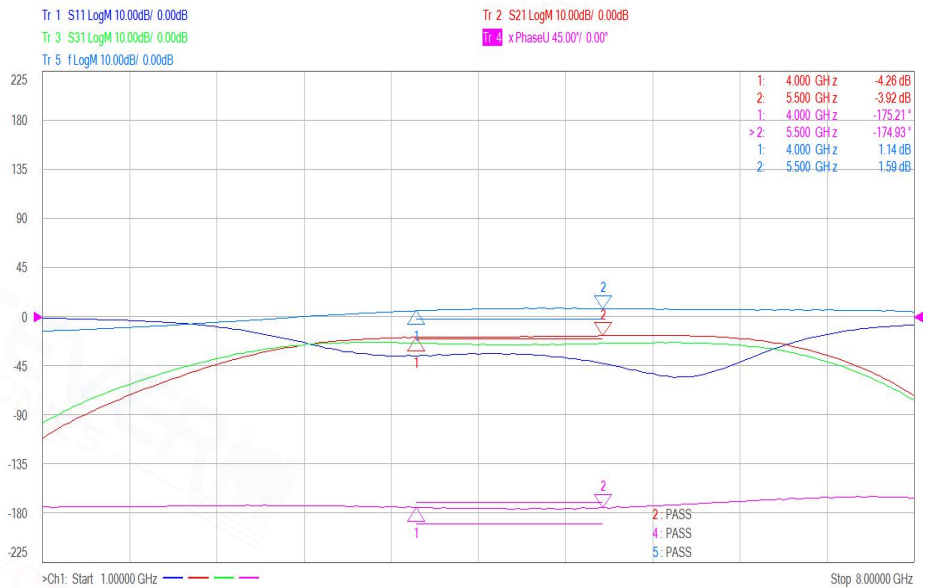
- RF Power, 0.50W Max
- DC Current, 300 mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

### Applications

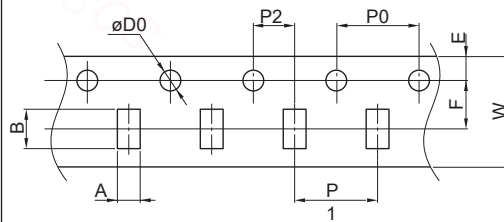
- Impedance matching
- Balanced amplifier
- Wimax/WLAN/BT/GSM
- Cellular and VHF

### Electrical Specifications: TA=25°C, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	4000-5500MHz	dB	—	1.0	2.0
Amplitude Unbalance	4000-5500MHz	dB	—	1.0	1.8
Phase Unbalance	4000-5500MHz	°	—	6.0	20.0
Unbalanced Port VSWR	4000-5500MHz				2.20



### Carrier Tape Orientation



### Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	4000
Reel Size	mm	180
Tape Width	mm	8.00
P0	mm	4.00
A	mm	1.40
B	mm	2.30
K	mm	1.40