MOX-RFBT2 SERIES

MoxiE INDUCTOR CORPORATION

Low Temperature Cofired Ceramic BALUN

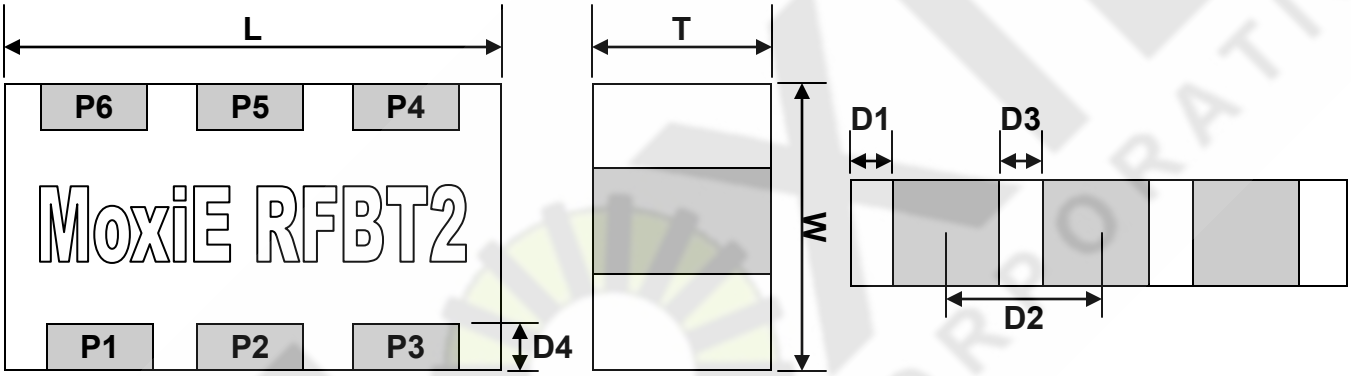
Features:

- Miniaturized design.
- Low insertion loss.
- Low Cost.
- RoHS Compliant.
- Operating temperature: -25°C ~ 85°C
- High rejection at lower stop band and 2nd harmonic band.

Applications:

- 3.5 GHz WLAN & Bluetooth.

MECHANICAL DIMENSIONS



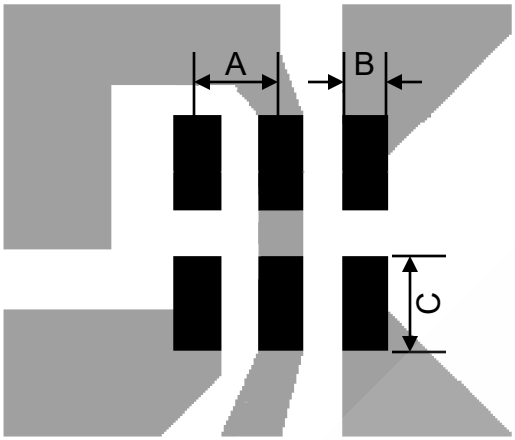
MoxiE Part Number	L	W	T	P1 ~ P6	D1	D2	D3	D4
MOX-RFBT2-1805	1.6 ± 0.1	0.8 ± 0.1	0.55 ± 0.1	0.3 ± 0.1	0.1 ± 0.1	0.55 ± 0.1	0.25 ± 0.1	0.15 ± 0.1

ALL DIMENSIONS IN MM

PORTS	P1	P2	P3	P4	P5	P6
MOX-RFBT2-1805	Unbalanced Port	GND or DC	Balance Port	Balance Port	GND	No Connect

MOX-RFBT2 SERIES

RECOMMENDED LANDING PATTERN



A	B	C
0.55 ± 0.1	0.3 ± 0.1	0.6 ± 0.1

ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Pass Band (MHz)	Unbalanced Impedance	Balanced Impedance	Unbalanced Impedance (VSWR)	Insertion Loss @ 25°C	Ripple	Phase Difference	Amplitude Difference
MOX-RFBT2-1805	3300 ~ 3800	50 Ω	50 Ω	2.0 (Max)	1.2dB (Max)	0.06dB	180 ± 10 Degree	2.0 dB (Max)

MOX-RFBT2-1805 ENGINEERING NOTES

- MoxiE test instruments: Agilent E5071B/N5230A vector network analyzer.
- Central frequency: 3500 = 3.5 GHz
- 1805 = 1.6mm*0.8mm, Impedance: 50/50Ω
- Packaging: Tape & Reel (4000 pieces per reel)
- RoHS Compliant.
- MoxiE engineering specifications are subject to change without notice.