

MOX-BPFL SERIES

LOW TEMPERATURE COFIRE CERAMIC BALUN FILTERS

FEATURES:

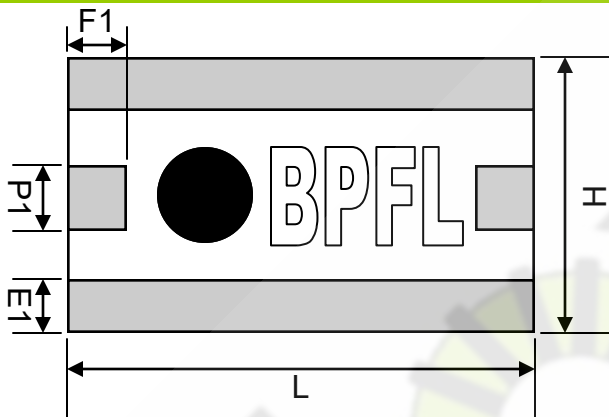
- Miniaturized design.
- Low insertion loss.
- Low Cost.
- RoHS Compliant.
- High rejection at lower stop band and 2nd harmonic band.

APPLICATIONS:

- 2.4 GHz ISM band, WLAN & Bluetooth.



MECHANICAL DIMENSIONS



MoxiE PORT REMARKS:

P1 = I/O TERMINATION
P2 = I/O TERMINATION
E1 = GROUND

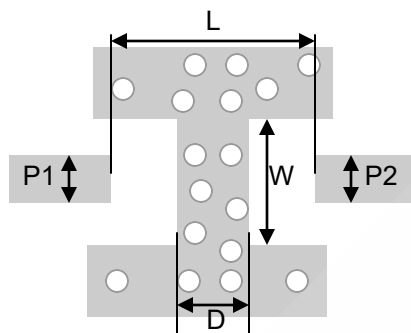
MOXIE PART NUMBER	L	W	T	P1	E1	F1
MOX-BPFL-1608	1.6 ± 0.15	0.8 ± 0.15	0.75 ± 0.15	0.3 ± 0.15	0.3 ± 0.15	0.3 ± 0.15
MOX-BPFL-2012	2.0 ± 0.15	1.25 ± 0.15	0.85 ± 0.15	0.3 ± 0.15	0.3 ± 0.15	0.3 ± 0.15
MOX-BPFL-2520A	2.5 ± 0.15	2.00 ± 0.15	0.75 ± 0.15	0.6 ± 0.15	0.3 ± 0.15	0.3 ± 0.15
MOX-BPFL-2520B	2.5 ± 0.15	2.00 ± 0.15	0.75 ± 0.15	0.6 ± 0.15	0.3 ± 0.15	0.3 ± 0.15
MOX-BPFL-2520C	2.5 ± 0.15	2.00 ± 0.15	0.90 ± 0.15	0.6 ± 0.15	0.3 ± 0.15	0.3 ± 0.15

ALL DIMENSIONS IN MM

MOX-BPFL SERIES



RECOMMENDED LANDING PATTERN



ALL DIMENSIONS IN MM

MOXIE PART NUMBER	L	W	P1	P2	D
MOX-BPFL-1608	1.2 ± 0.1	0.7 ± 0.1	0.3 ± 0.1	0.3 ± 0.1	0.6 ± 0.1
MOX-BPFL-2012	1.6 ± 0.1	0.9 ± 0.1	0.3 ± 0.1	0.3 ± 0.1	0.5 ± 0.1
MOX-BPFL-2520A	2.3 ± 0.1	1.4 ± 0.1	0.76 ± 0.1	0.76 ± 0.1	1.5 ± 0.1
MOX-BPFL-2520B	2.3 ± 0.1	1.4 ± 0.1	0.76 ± 0.1	0.76 ± 0.1	1.5 ± 0.1
MOX-BPFL-2520C	2.3 ± 0.1	1.4 ± 0.1	0.76 ± 0.1	0.76 ± 0.1	1.5 ± 0.1



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Pass Band (GHz)	Impedance (Ω)	VSWR	IL (dB)	Ripple (dB)	Attenuation
MOX-BPFL-1608	2.4 ~ 2.5	50	2	2.0	0.6	40dB Min @ 880 ~ 915 MHz 35dB Min @ 915 ~ 1250 MHz 25dB Min @ 4800 ~ 5000 MHz 30dB Min @ 7200 ~ 7500 MHz
MOX-BPFL-2012	2.4 ~ 2.5	50	2	1.8	0.6	10dB Min @ 2000 MHz 12dB Min @ 3000 MHz 25dB Min @ 3500 ~ 3600 MHz 30dB Min @ 4800 ~ 5000 MHz
MOX-BPFL-2520A	2.4 ~ 2.5	50	2	1.5	0.6	40dB Min @ 880 ~ 960 MHz 50dB Min @ 1200 MHz 30dB Min @ 1710 ~ 1785 MHz 25dB Min @ 1850 ~ 1910 MHz 30dB Min @ 4800 ~ 5000 MHz
MOX-BPFL-2520B	2.4 ~ 2.5	50	2	2.0	0.6	25dB Min @ 1750 MHz 20dB Min @ 2000 MHz 27dB Min @ 4800 ~ 5000 MHz
MOX-BPFL-2520C	2.4 ~ 2.5	50	2	2.5	0.6	35dB Min @ 880 ~ 915 MHz ref. 18dB Min @ 1710 ~ 1990 MHz 12dB Min @ 2100 MHz 25dB Min @ 3200 MHz 30dB Min @ 4800 ~ 5000 MHz 30dB Min @ 7200 ~ 7500 MHz



MOX-BPFL ENGINEERING NOTES

- Packaging: Tape & Reel (1608 = 4000 pcs. 2012 = 4000 pcs. 2520 = 3000 pcs.)
- RoHS compliant