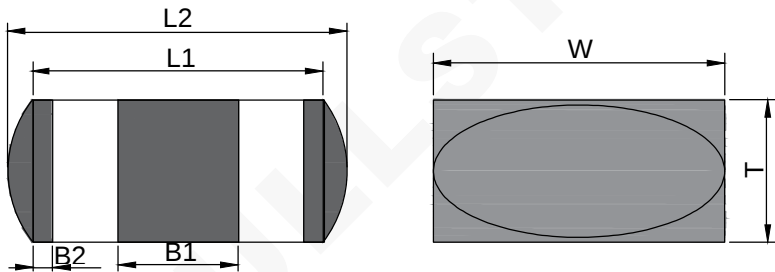
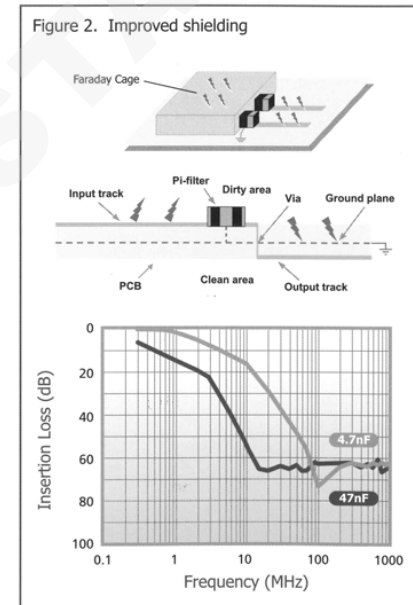
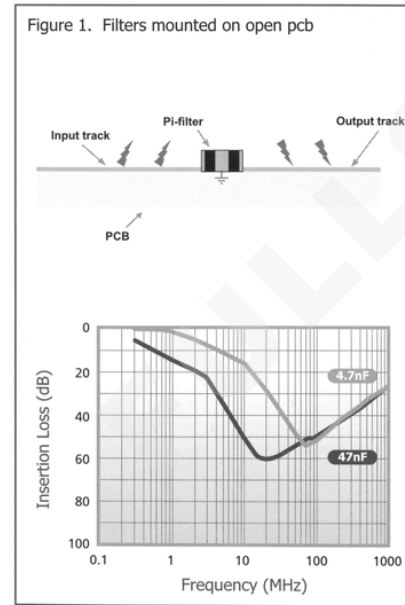


1.PHYSICAL CHARACTERISTICS(mm)



L1	5.7±0.4 (0.224±0.015)
L2	6.6±0.4 (0.260±0.015)
W	5.0±0.4 (0.197±0.015)
T	3.18±0.2 (0.125±0.008)
B1	2.25±0.4 (0.088±0.015)
B2	0.30±0.25 (0.012±0.010)

2.EFFECTS OF MOUNTING METHOD ON INSERTION LOSS



C and Pi filters are mounted to PCBs and soldered in identical manner to chip capacitors Solder connections made to each end (signal lines)and each side band(earth track).Whilst SBSG,SBSM and SBSP filters can be mounted conventionally on PCBs,they are also suitable for mounting in a wall or partition on a board. This greatly improves the screening between filter input and output,thereby anhancing the high frequency response. The following insertion loss curves (for SBSP SBSM Pi filters)based on actual measurements,show the effect it can be seen that the filters conventionally mounted(Fig.1)exhibit a drop in attenuation at higher frequen cies Improved shielding methods(Fig.2)maintain excellent suppression characteristics to 1GHZ and above See below for application example.

NAME	Power inductor		
CUSTOMER P/N	SBSMC2000154MX	Date	2021-06-02
FULLSTAR P/N	CC2220CX7RB154	Rev. A1	Page 1/2
Drawn. by :MingYue Ma	Checked. by :Zhi Xin Pu	Approve. by :Jie Sun	

Drawing changes	Rev.	
	Rev.	

3.PERFORMANCE AND TESTING

	X7R
	Stable
IECQ-CECC	2R1
EIA	X7R
MIL	-
Rated temperature range	-55°C to +125°C
Maximum capacitance change over temperature range	± 15%
Knowles / Syfer dielectric ordering code	X
(tan δ)	≤ 0.025
Time constant (Ri*Cr) (whichever is the least)	10G Ω or 1000S
Capacitance tolerances available	± 20% (M)

4.INSERTION LOSS TABLES FOR SURFACE MOUNT EMI FILTERS-C FILTER

Product Code	Capacitance (±20%)	Dielectric	Rated Voltage(dc)	DWV (dc)	Approximate Resonant Frequency (MHZ)	0.1MHZ	1MHZ	10MHZ	100MHZ	1GHZ
CC2220CX7RB154	150nF	X7R	200	500	26	7	26	47	43	21

NAME	Power inductor			
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Drawing changes	Rev.	
	Rev.	