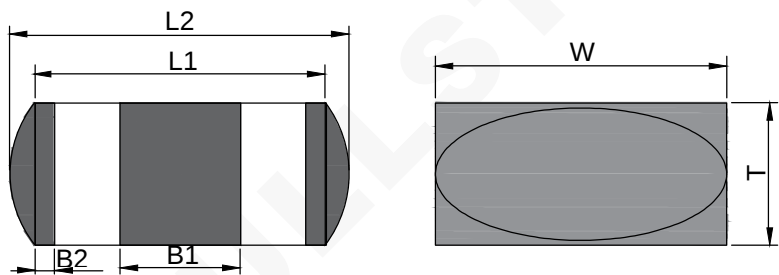
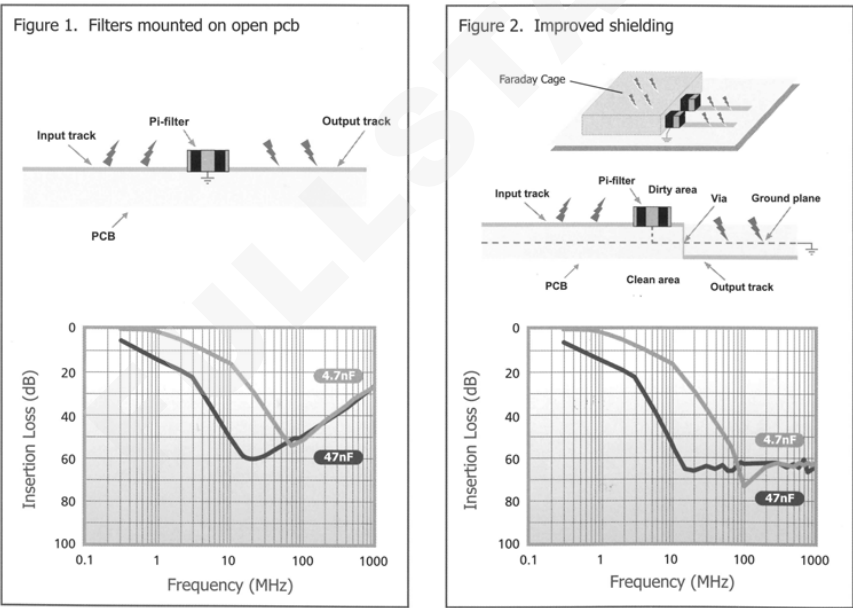


1.PHYSICAL CHARACTERISTICS(mm)



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.

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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
CC2220CX7RY224	220nF	X7R	100	250	21	11	31	52	43	21

NAME	Power inductor			
CUSTOMER P/N	SBSMC1000224MX		Date	2021-06-02
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