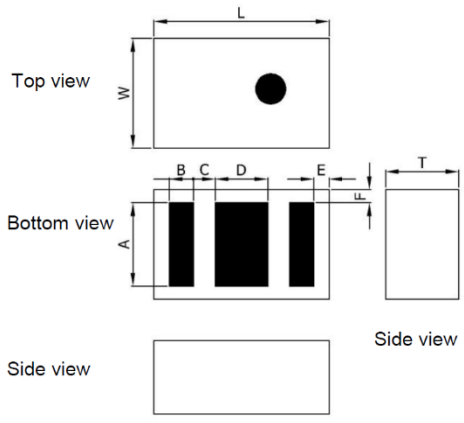
MULTILAYER CERAMIC LOW PASS FILTER

RCF-1085.000-2170000-2012-W-001

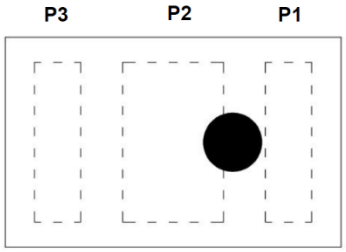
Parameters		Value	Unit
Frequency Range		DC ~ 2170.000	MHz
Insertion Loss, max	**@ +25 ˚C**	0.75	dB
	@ -40 ~ +85 ˚C	0.85	dB
Attenuation, min	**@ 2400 ~ 2500 MHz**	10	dB
	@ 3250 ~ 3350 MHz	23	dB
	@ 3420 ~ 3570 MHz	20	dB
	@ 3700 ~ 3820 MHz	18	dB
	@ 3840 ~ 3960 MHz	18	dB
	@ 4100 ~ 4600 MHz	18	dB
	@ 4905 ~ 5845 MHz	20	dB
	@ 5850 ~ 6400 MHz	18	dB
	@ 6600 ~ 7350 MHz	5	dB
VSWR, max		2.0	-
Impedance		50	Ω
Power Capacity, max		3	W
Moisture Sensitivity Levels		Level 1	-
Operating Temperature Range		-40 ~ +85	˚C
Storage Temperature Range		-40 ~ +85	˚C
Storage Condition Before Soldering (Included Packaging Material)	**Storage Temperature Range**	+5 ~ +40	˚C
	Relative Humidity	30 ~ 70	%

Dimension



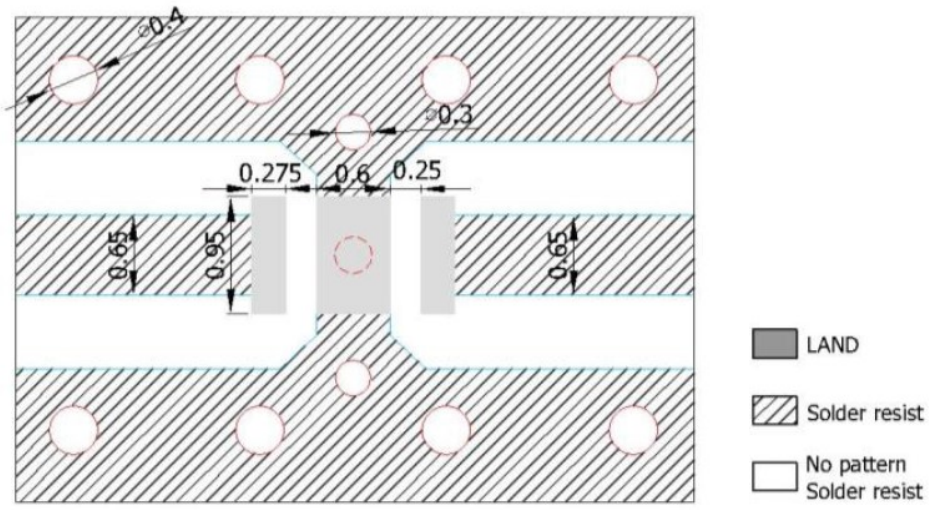
	L	W	T	A	B	C	D	E	F
Dimension (mm)	2.00 ± 0.15	1.25 ± 0.15	1.00 max	0.95 ± 0.10	0.275± 0.10	0.25 ± 0.10	0.60 ± 0.10	0.175 ± 0.10	0.15 ± 0.10

Top view



PIN	Connection
1	Input Port
2	GND
3	Output Port

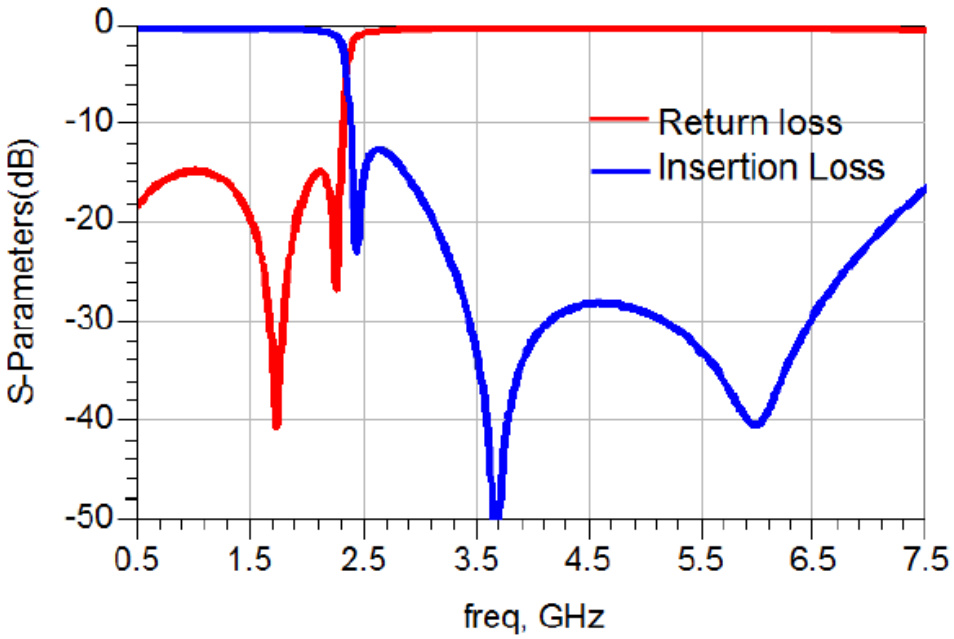
SOLDER LAND PATTERN



Unit: mm

Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

Frequency Characteristics



April 17, 2019