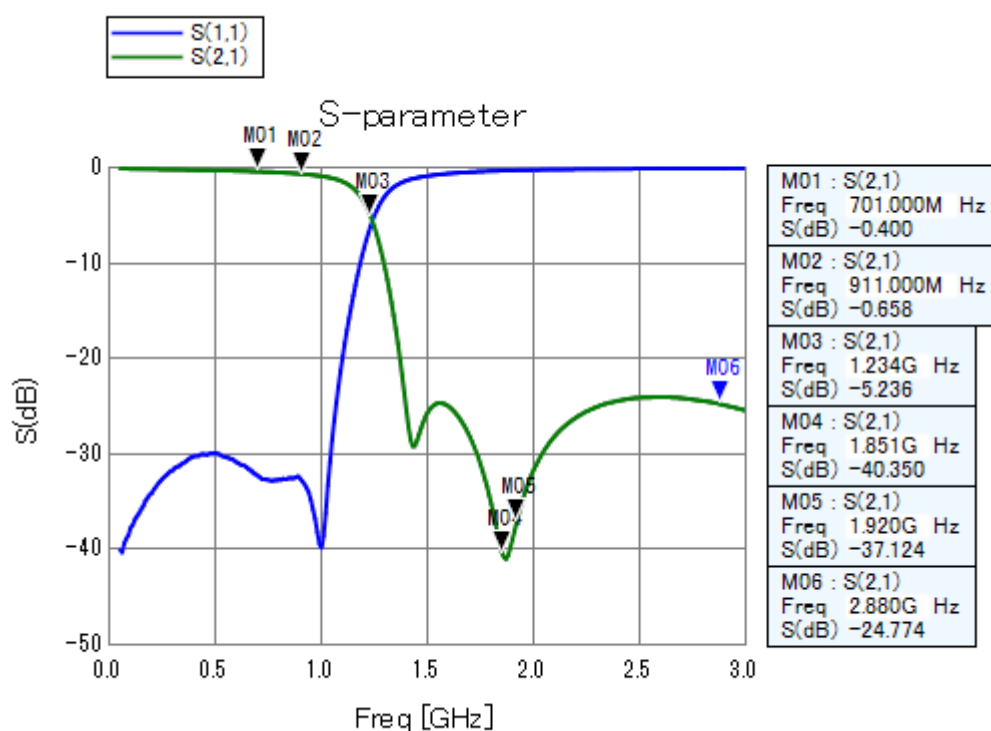


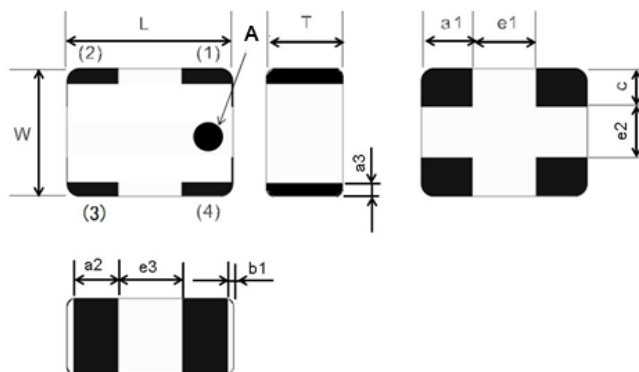
LOW PASS FILTER (Preliminary)

1. Characteristics (at -40 ~ +85 °C)

Part Number	LFL0Q806MTR3E981
Nominal Characteristics Impedance	50 Ω (Nominal)
Nominal Center Frequency	f1 : 806.00 MHz f2 : 830.50 MHz
Pass Band Range (BW)	f1 : fo \pm 105.00 MHz f2 : fo \pm 129.50 MHz
Insertion Loss in BW	f1 : 0.90 dB max. at +25degC f2 : 1.10 dB max. at +25degC f1 : 1.00 dB max. at -40~+85degC f2 : 1.20 dB max. at -40~+85degC
Attenuation (Absolute value)	1.0 dB min. at 1234.00MHz 24.5 dB min. at 1851.00MHz 23.5 dB min. at 1920.00MHz 18.5 dB min. at 2880.00MHz
V.S.W.R in BW	f1 : 1.29 max. f2 : 1.33 max.
Power Capacity	3 W max.



2. Construction,Dimensions&Marking



Mark [∘]	Meaning [∘]
A [∘]	Directional Mark [∘]

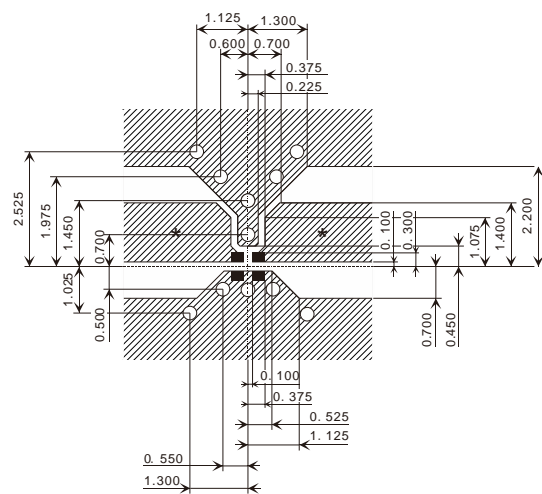
(in mm)[∘]

Mark [∘]	Dimension [∘]	Mark [∘]	Dimension [∘]
L [∘]	0.65 ± 0.05 [∘]	b1 [∘]	0.00 +0.05/-0.00 [∘]
W [∘]	0.50 ± 0.05 [∘]	e1 [∘]	0.25 ± 0.10 [∘]
T [∘]	0.30 max. [∘]	e2 [∘]	0.20 ± 0.10 [∘]
a1 [∘]	0.20 ± 0.10 [∘]	e3 [∘]	0.25 ± 0.10 [∘]
a2 [∘]	0.20 ± 0.10 [∘]	C [∘]	0.15 ± 0.10 [∘]
a3 [∘]	0.00 +0.15/-0.00 [∘]		

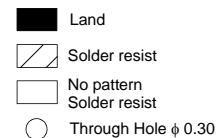
TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	OUT	(3)	GND
(2)	IN	(4)	GND

3. Land Pattern



(in mm)



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

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- Undersea equipment.
- Medical equipment.
- Traffic signal equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.
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- Power plant control equipment
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
- Disaster prevention / crime prevention equipment.

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