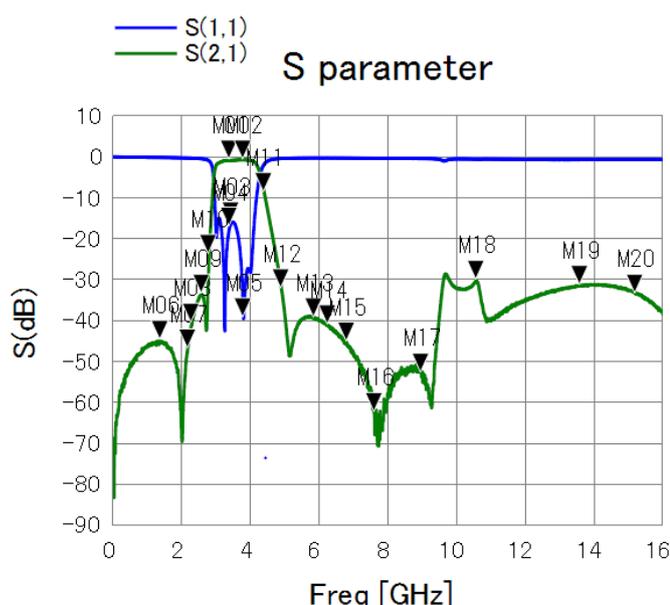


# BAND PASS FILTER

## 1. Characteristics (at -40 ~+85 °C)

Part Number	LFB213G60CGUE234	
Nominal Characteristics Impedance	50 Ω (Nominal)	
Nominal Center Frequency	3600.00 MHz	
Pass Band Range (BW)	fo ± 200.00 MHz	
Insertion Loss in BW	1.0 dB max at +25 °C 1.2 dB max at -40 ~ +85 °C	
Attenuation (Absolute value)	1.00 ~ 2170.00 MHz	38.0 dB min.
	2300.00 ~ 2700.00 MHz	28.0 dB min.
	2700.00 ~ 2800.00 MHz	10.0 dB min.
	4400.00 ~ 4800.00 MHz	5.0 dB min.
	4800.00 ~ 4900.00 MHz	23.0 dB min.
	4900.00 ~ 5850.00 MHz	28.0 dB min.
	6250.00 ~ 6550.00 MHz	33.0 dB min.
	6800.00 ~ 7600.00 MHz	35.0 dB min.
	7600.00 ~ 9000.00 MHz	35.0 dB min.
	10200.00 ~ 11400.00 MHz	20.0 dB min.
13600.00 ~ 15200.00 MHz	26.0 dB min.	
V.S.W.R. in BW	2.0 max.	
Ripple in BW	0.25 dB max.	
Power Capacity	1 W max.	



### Insertion Loss

M01 [Min] : S(2,1) Freq 3.402G Hz S(dB) -0.881
M02 : S(2,1) Freq 3.800G Hz S(dB) -0.699

### Return Loss

M03 [Max] : S(1,1) Freq 3.469G Hz S(dB) -15.934
M04 : S(1,1) Freq 3.400G Hz S(dB) -17.017
M05 : S(1,1) Freq 3.800G Hz S(dB) -39.429

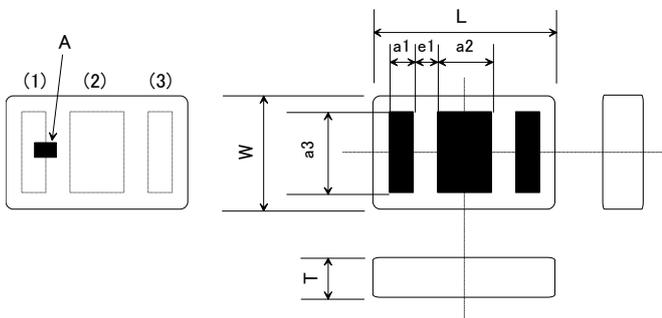
### Attenuation

M06 [Max] : S(2,1) Freq 1.366G Hz S(dB) -44.870	M14 : S(2,1) Freq 6.250G Hz S(dB) -41.234
M07 : S(2,1) Freq 2.170G Hz S(dB) -47.019	M15 : S(2,1) Freq 6.800G Hz S(dB) -45.396
M08 : S(2,1) Freq 2.300G Hz S(dB) -40.429	M16 : S(2,1) Freq 7.600G Hz S(dB) -62.373
M09 [Max] : S(2,1) Freq 2.581G Hz S(dB) -33.622	M17 : S(2,1) Freq 9.000G Hz S(dB) -52.614
M10 : S(2,1) Freq 2.800G Hz S(dB) -23.961	M18 [Max] : S(2,1) Freq 10.588G Hz S(dB) -30.288
M11 : S(2,1) Freq 4.400G Hz S(dB) -8.710	M19 : S(2,1) Freq 13.600G Hz S(dB) -31.418
M12 : S(2,1) Freq 4.900G Hz S(dB) -32.052	M20 : S(2,1) Freq 15.200G Hz S(dB) -33.278
M13 : S(2,1) Freq 5.850G Hz S(dB) -39.255	

## 2. Construction, Dimensions & Marking

<Top View>

<Bottom View>



Mark	Meaning
A	Directional Input Mark

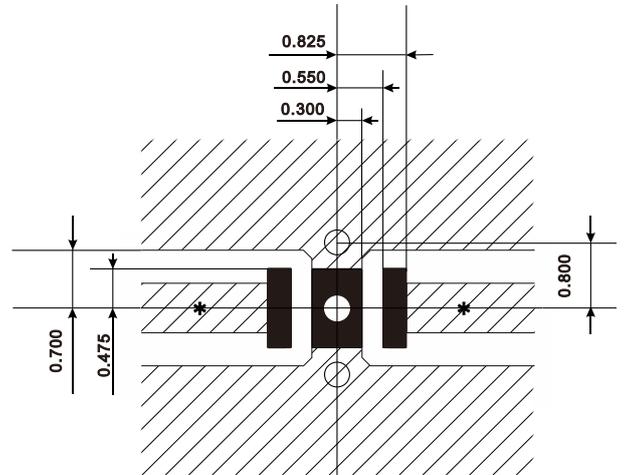
(in mm)

Mark	Dimension	Mark	Dimension
L	2.00 ± 0.15	a2	0.60 ± 0.10
W	1.25 ± 0.10	a3	0.95 ± 0.10
T	0.65 max.	e1	0.25 ± 0.05
a1	0.275 ± 0.100	-	-

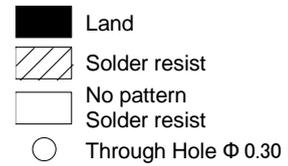
### TERMINAL CONFIGURATION

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

## 3. Land Pattern



(in mm)



\*Line width to be designed to match 50Ω 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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