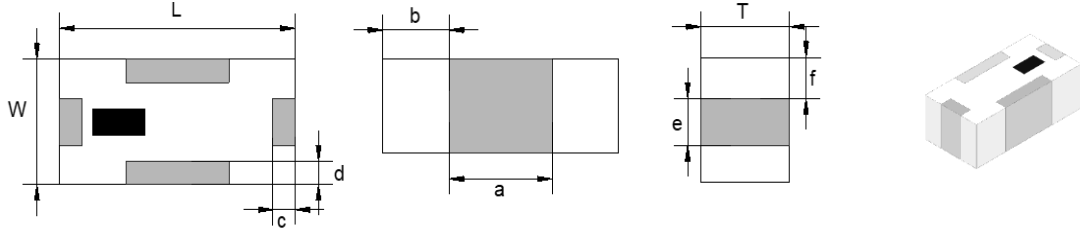


# SPECIFICATION

REF. :

<b>PROD NAME.</b>	Multilayer Band Pass Filter	<b>ABC'S DWG NO.</b>		<b>LGBF16082450A01RTB-□□□</b>	
		<b>REV.</b>	<b>20251020-A</b>	<b>PAGE</b>	<b>1</b>

**I. Configuration and dimensions :**



Unit : mm

L		W		T	
1.6±0.15		0.8±0.15		0.6±0.10	
a	b	c	d	e	f
0.70±0.15	0.45±0.15	0.15±0.1	0.15±0.1	0.30+0.1 -0.15	0.25±0.15

**II. APPLICATION & Materials :**

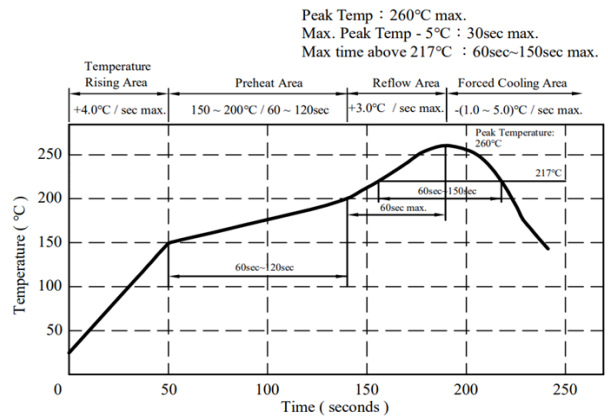
- a. For 2400-2500MHz
- b. Body : Ceramic
- c. Internal conductor : Silver
- d. Terminal electrode : Ag / Ni / Sn
- e. Products comply with RoHS' requirements
- f. Halogen free

**III. General specification :**

- a. Operating Temp : -40~85°C
- b. Resistance to soldering heat :  

Solder temp. : 260°C

Dip time :10 sec max



# SPECIFICATION

REF. :

PROD NAME.	Multilayer Band Pass Filter	ABC'S DWG NO.		LGBF16082450A01RTB-□□□	
		REV.	20251020-A	PAGE	2

## IV. Electrical characteristics :

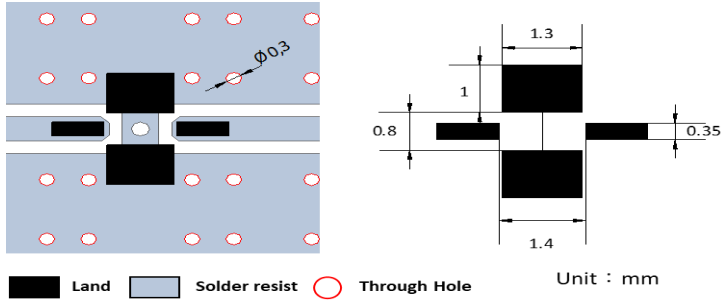
Item	Frequency Range (MHz)	Min.	Max.	Typ.
Insertion Loss (dB)	2400 ~ 2500	-	1.8	1.3
Return Loss (dB)	2400 ~ 2500	12	-	22
Attenuation (dB)	880 ~ 1000	28	-	30
	1200 ~ 1300	28	-	30
	1710 ~ 1780	25	-	27
	4800~5000	25	-	29
	5150~5950	27	-	32
	5950~7125	20	-	27
	6900~7200	20	-	27
characteristic impedance ( $\Omega$ )	50			

# SPECIFICATION

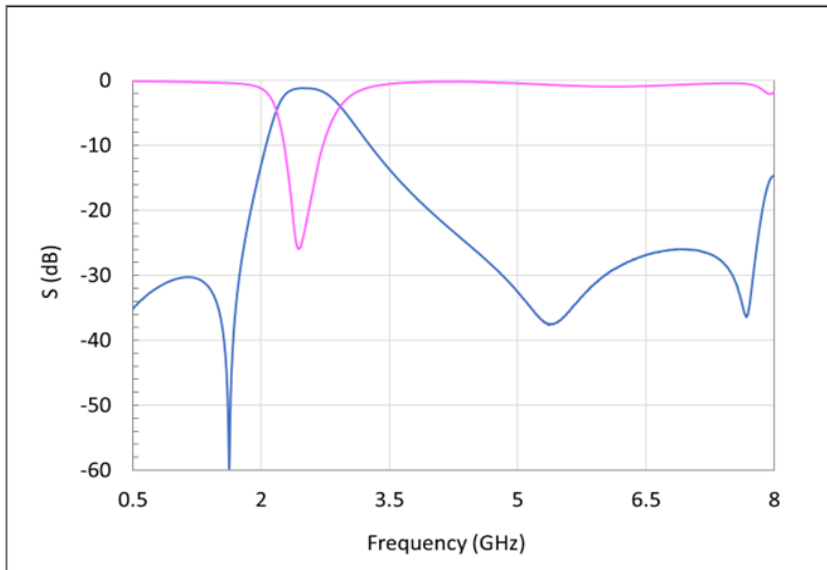
REF. :

<b>PROD NAME.</b>	Multilayer Band Pass Filter	<b>ABC'S DWG NO.</b>		LGBF16082450A01RTB-□□□	
		<b>REV.</b>	20251020-A	<b>PAGE</b>	3

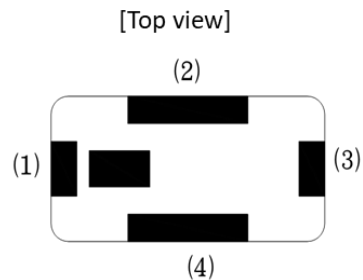
**V. RECOMMENDED LAND PATTERN :**



**VI. ELECTRICAL CHARACTERISTICS (Temperature =25°C)**



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



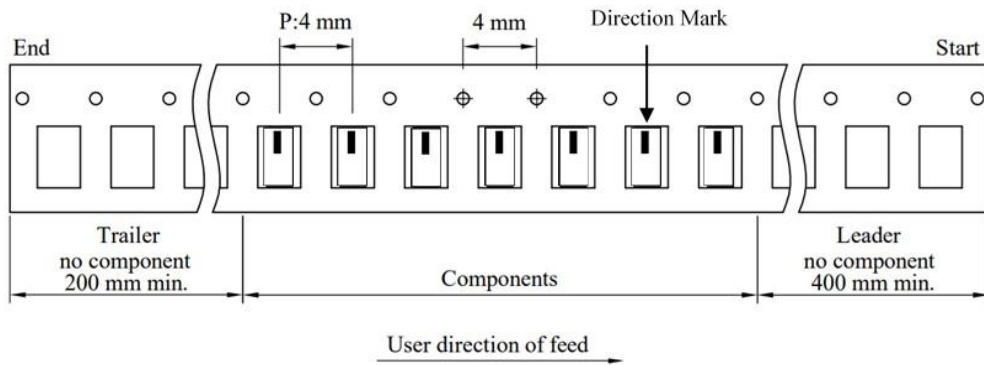
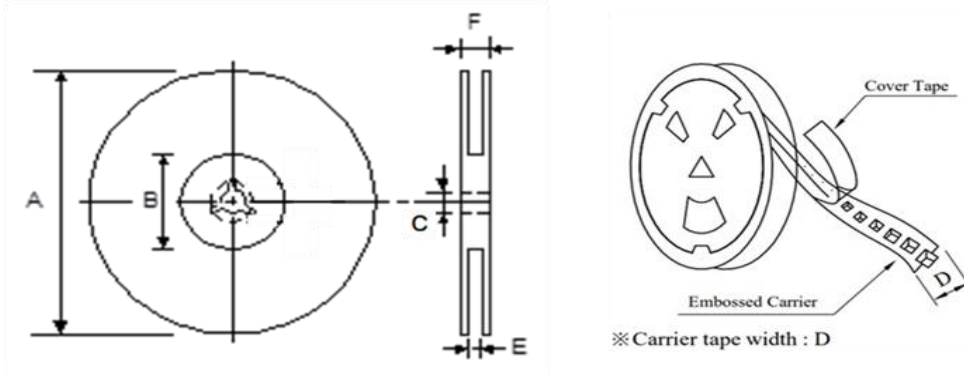
# SPECIFICATION

REF. :

<b>PROD NAME.</b>	<b>Multilayer Band Pass Filter</b>	<b>ABC'S DWG NO.</b>		<b>LGBF16082450A01RTB-□□□</b>	
		<b>REV.</b>	<b>20251020-A</b>	<b>PAGE</b>	<b>4</b>

## VII. Packaging information :

### ( 1 ) Configuration



### ( 2 ) Dimensions

Unit : mm

Style	A	B	C	D	E	F
07-08	178	60	13	8	9.5	12

### ( 3 ) Q'TY & G.W. Per package

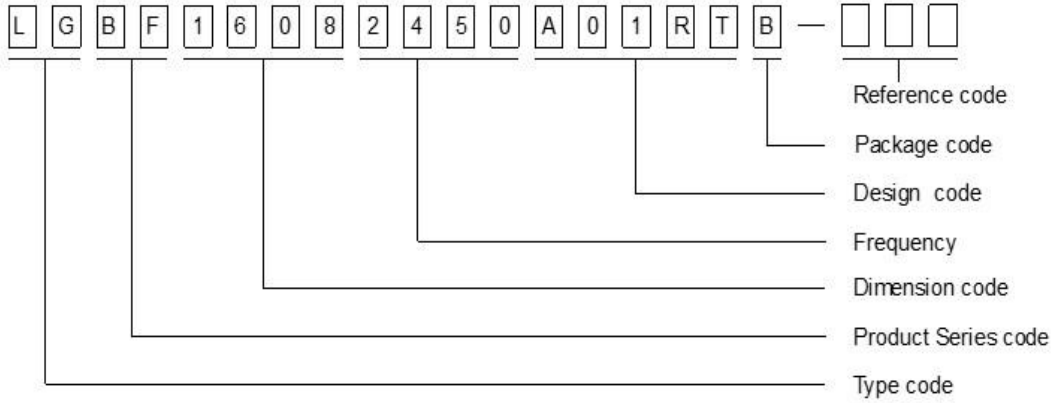
Code	Inner : Reel		Outer : Carton	
	Q'TY (pcs)	Style	Q'TY (pcs)	Size (cm)
B	4,000	07-08	200,000	41 x 39 x 22

# SPECIFICATION

REF. :

<b>PROD NAME.</b>	<b>Multilayer Band Pass Filter</b>	<b>ABC'S DWG NO.</b>		<b>LGBF16082450A01RTB-□□□</b>	
		<b>REV.</b>	<b>20251020-A</b>	<b>PAGE</b>	<b>5</b>

**VIII. Drawing number expression :**



**Appendix code 2: Package Information**

Code	Inner package	Cover tape	Carrier tape	Bag	Package Q'TY	Remark
B	T /R (Reel package)	Heat seal	Antistatic	Antistatic	4,000 pcs	

Reliability Test Number: RTS No.0034