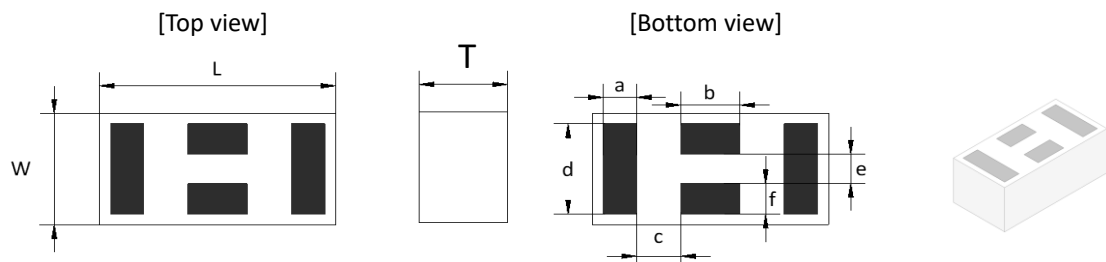


SPECIFICATION

REF. :

PROD NAME.	Multilayer Band Pass Filter	ABC'S DWG NO.		LGBF16087987A01RGB-□□□	
		REV.	20251020-A	PAGE	1

I. Configuration and dimensions :



Unit : mm

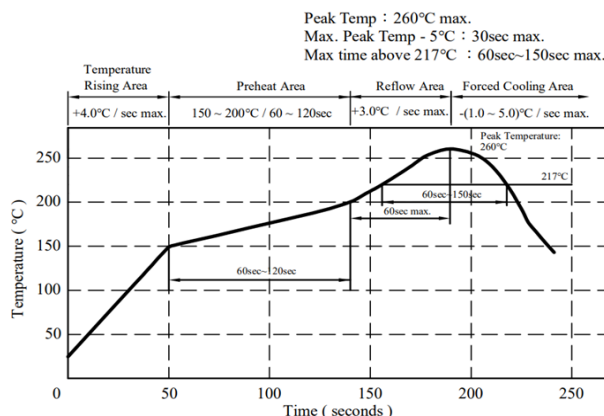
L		W		T	
1.6±0.15		0.8±0.15		0.6±0.10	
a	b	c	d	e	f
0.225±0.05	0.40±0.1	0.30±0.05	0.65±0.1	0.21±0.05	0.22±0.05

II. APPLICATION & Materials :

- a. UWB CH9 (For 7737-8237 MHz) / CH10 (For 8237-8736 MHz) / CH12 (For 8736-9235 MHz)
- 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.		LGBF16087987A01RGB-□□□	
		REV.	20251020-A	PAGE	2

IV. Electrical characteristics :

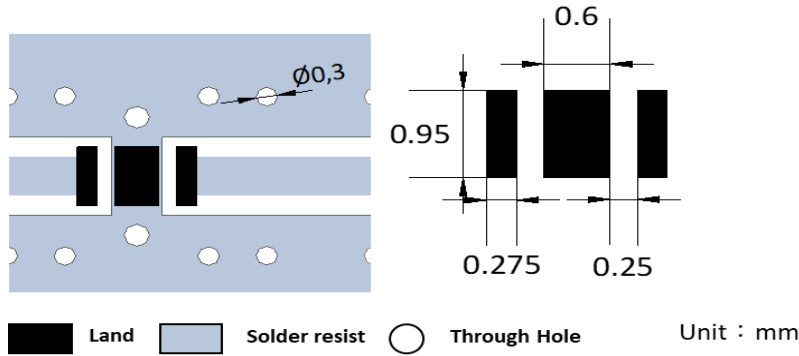
Item	Frequency Range (MHz)	Min.	Max.	Typical
Insertion Loss (dB)	7737 ~ 8237	-	1.65	1.44
	8237 ~ 8736	-	1.2	0.95
	8736 ~ 9235	-	1.0	0.82
Return Loss (dB)	7737 ~ 8237	12	-	18.7
	8237 ~ 8736	12	-	20.7
	8736 ~ 9235	12	-	18.4
Attenuation (dB)	1710 ~ 2170	30	-	33.6
	2300 ~ 2400	30	-	32.9
	2496 ~ 2690	27	-	32.2
	3400 ~ 3800	27	-	29.2
	5150 ~ 5925	25	-	27.8
	5925 ~ 6875	27	-	30.8
	6875 ~ 7000	30	-	40.5
	7000 ~ 7115	20	-	25.9
	7115 ~ 7125	20	-	24.8
	15474 ~ 16474	25	-	38.1
	16474 ~ 17472	25	-	34
17472 ~ 18470	25	-	30	
characteristic impedance		50 Ω		

SPECIFICATION

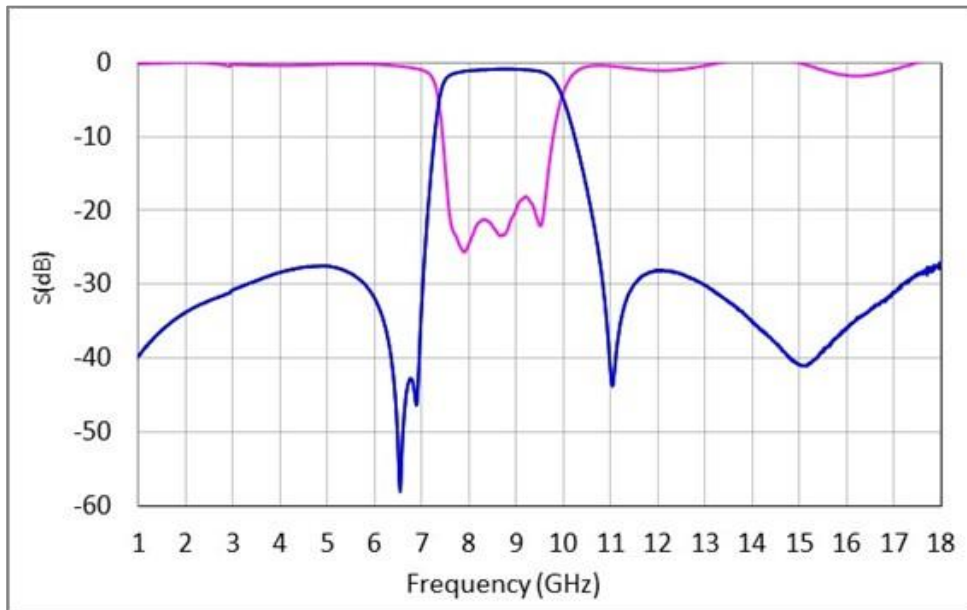
REF. :

PROD NAME.	Multilayer Band Pass Filter	ABC'S DWG NO.		LGBF16087987A01RGB-□□□	
		REV.	20251020-A	PAGE	3

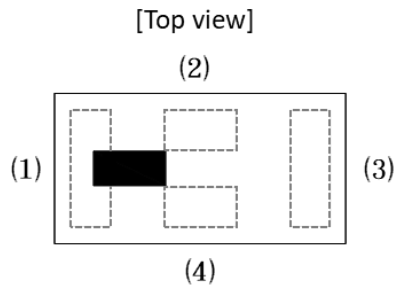
V. RECOMMENDED LAND PATTERN :



VI. ELECTRICAL CHARACTERISTICS (Temperature =25°C)



Terminal Configuration			
NO.	Terminal Name	NO.	Terminal Name
(1)	In	(2)	GND
(3)	Out	(4)	GND



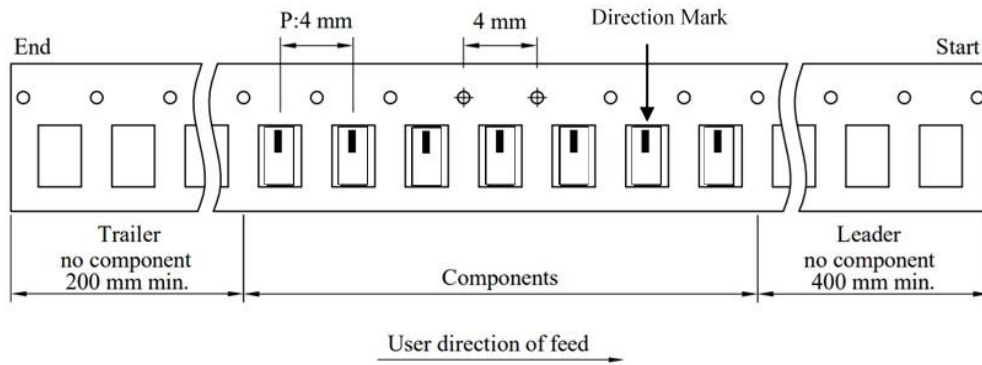
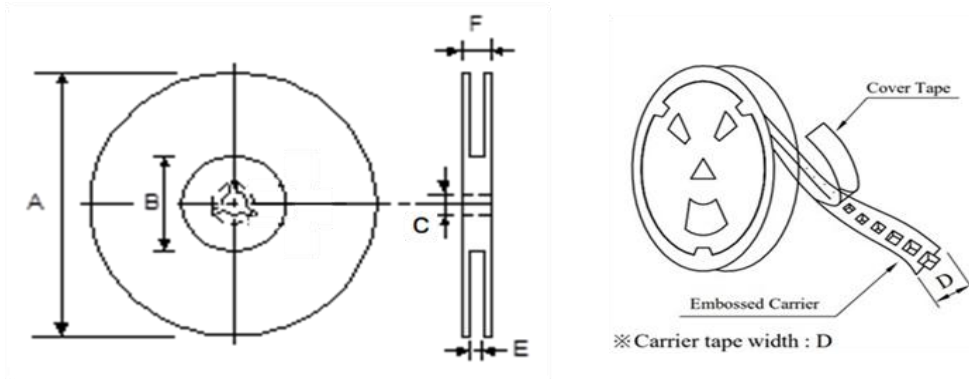
SPECIFICATION

REF. :

PROD NAME.	Multilayer Band Pass Filter	ABC'S DWG NO.		LGBF16087987A01RGB-□□□	
		REV.	20251020-A	PAGE	4

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

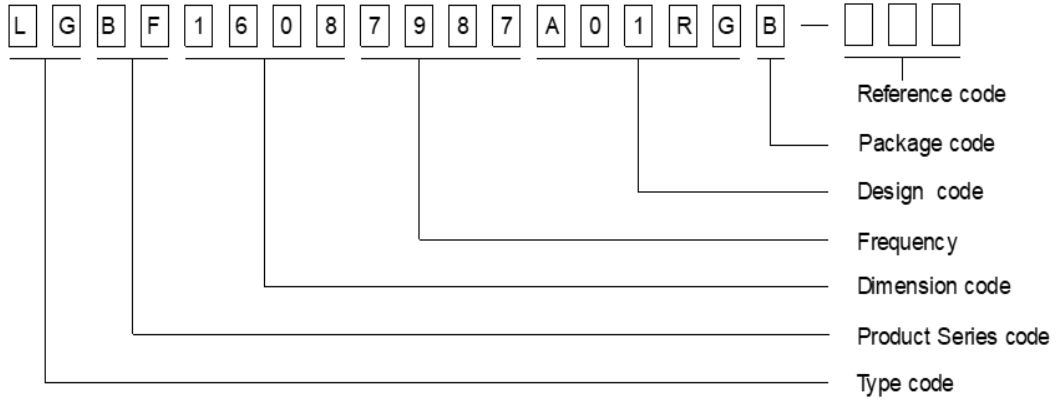
Code	Inner : Reel		Outer : Carton	
	Q'TY (pcs)	Style	Q'TY (pcs)	Size (cm)
B	4,000	07-08	200,000	41 x 39 x 22

SPECIFICATION

REF. :

PROD NAME.	Multilayer Band Pass Filter	ABC'S DWG NO.		LGBF16087987A01RGB-□□□	
		REV.	20251020-A	PAGE	5

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