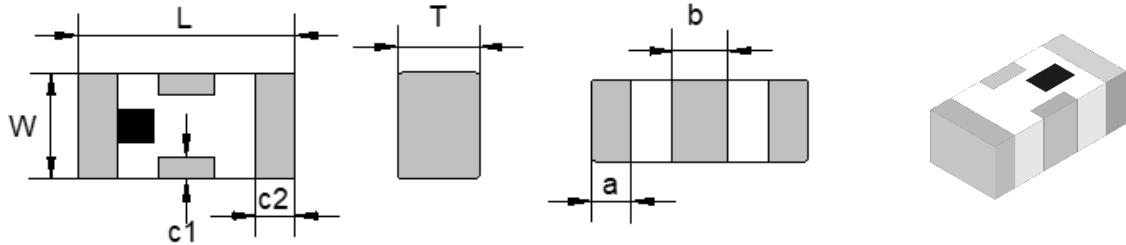


# SPECIFICATION

REF. :

| PROD NAME. | Multilayer Low Pass Filter | ABC'S DWG NO. |             | LGLF10052450A01RDB-□□□ |   |
|------------|----------------------------|---------------|-------------|------------------------|---|
|            |                            | REV.          | 20250812-02 | PAGE                   | 1 |

## I. Configuration and dimensions :



Unit : mm

| L        |          | W        |  | T        |  |
|----------|----------|----------|--|----------|--|
| 1.0±0.05 |          | 0.5±0.05 |  | 0.4 max  |  |
| a        | b        | c1       |  | c2       |  |
| 0.18±0.1 | 0.25±0.1 | 0.1±0.05 |  | 0.18±0.1 |  |

## II. APPLICATION & Materials :

- For 2400-2500MHz
- Body : Ceramic
- Internal conductor : Silver
- Terminal electrode : Ag / Ni / Sn
- Products comply with RoHS' requirements
- Halogen free

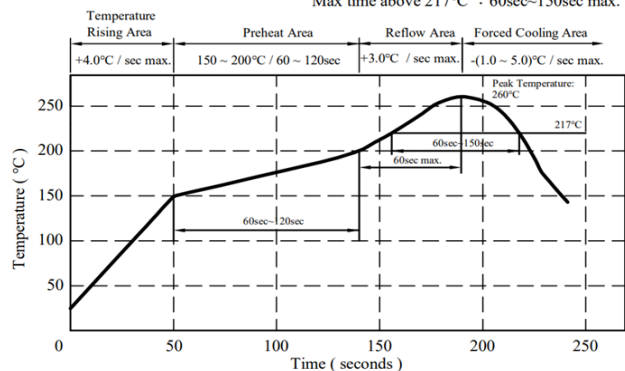
## III. General specification :

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

Solder temp. : 260°C

Dip time : 10 sec max

Peak Temp : 260°C max.  
Max. Peak Temp - 5°C : 30sec max.  
Max time above 217°C : 60sec~150sec max.



# SPECIFICATION

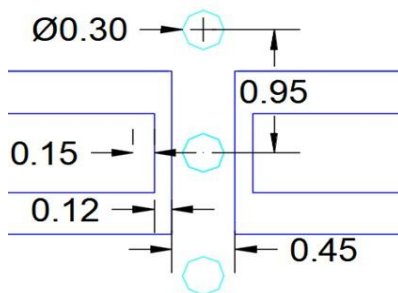
REF. :

|            |                            |               |             |                        |   |
|------------|----------------------------|---------------|-------------|------------------------|---|
| PROD NAME. | Multilayer Low Pass Filter | ABC'S DWG NO. |             | LGLF10052450A01RDB-□□□ |   |
|            |                            | REV.          | 20250812-02 | PAGE                   | 2 |

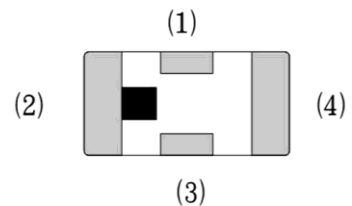
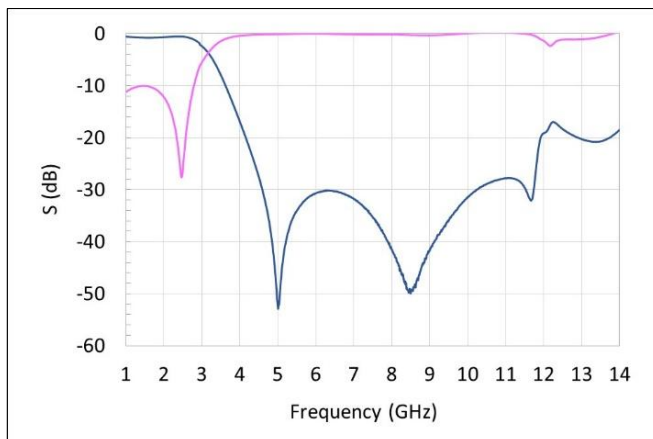
## IV. Electrical characteristics :

| Item                     | Frequency Range (MHz) | Min. | Max. | Typical |
|--------------------------|-----------------------|------|------|---------|
| Insertion Loss (dB)      | 2400~2500 (at 25°C)   | -    | 0.8  | 0.51    |
| Return Loss (dB)         | 2400~2500 (at 25°C)   | 10   | -    | 23      |
| Attenuation (dB)         | 4800~5000             | 23   | -    | 37      |
|                          | 7200~7500             | 31   | -    | 32      |
|                          | 9600~10000            | 30   | -    | 31      |
| Power Capacity :         |                       | 3W   |      |         |
| characteristic impedance |                       | 50Ω  |      |         |

## V. RECOMMENDED PCB LAYOUT :



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



| Terminal Configuration |               |     |               |
|------------------------|---------------|-----|---------------|
| NO.                    | Terminal Name | NO. | Terminal Name |
| (1)                    | GND           | (2) | Input         |
| (3)                    | GND           | (4) | Output        |

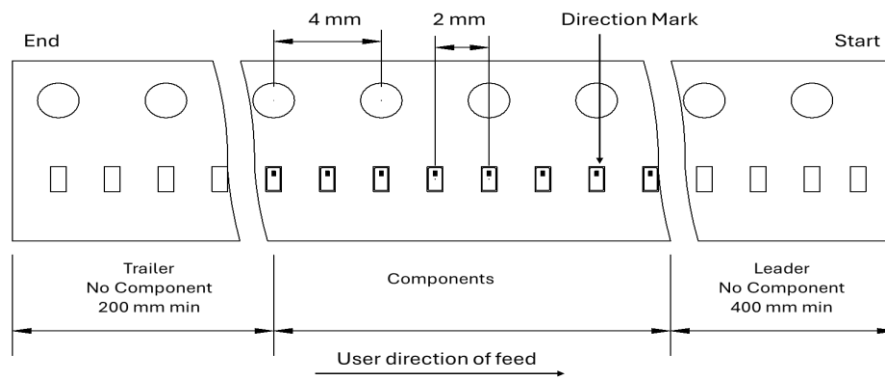
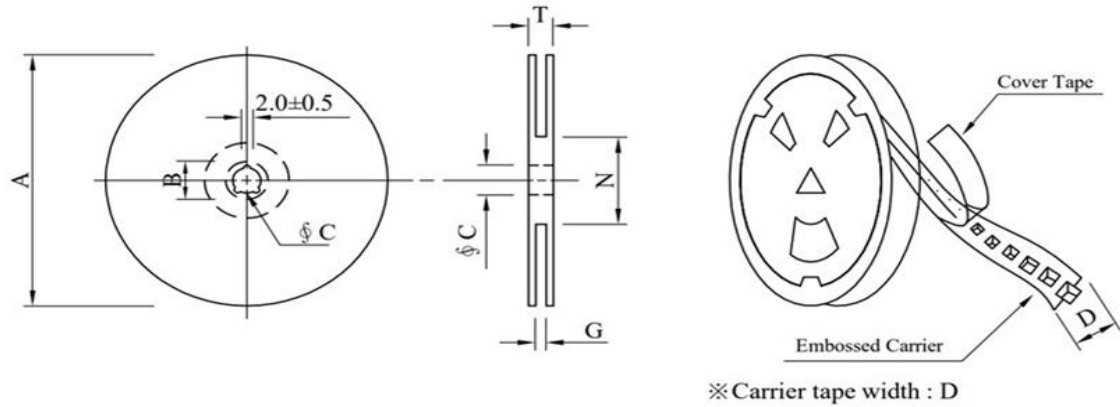
# SPECIFICATION

REF. :

|            |                            |               |             |                        |   |
|------------|----------------------------|---------------|-------------|------------------------|---|
| PROD NAME. | Multilayer Low Pass Filter | ABC'S DWG NO. |             | LGLF10052450A01RDB-□□□ |   |
|            |                            | REV.          | 20250812-02 | PAGE                   | 3 |

## 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

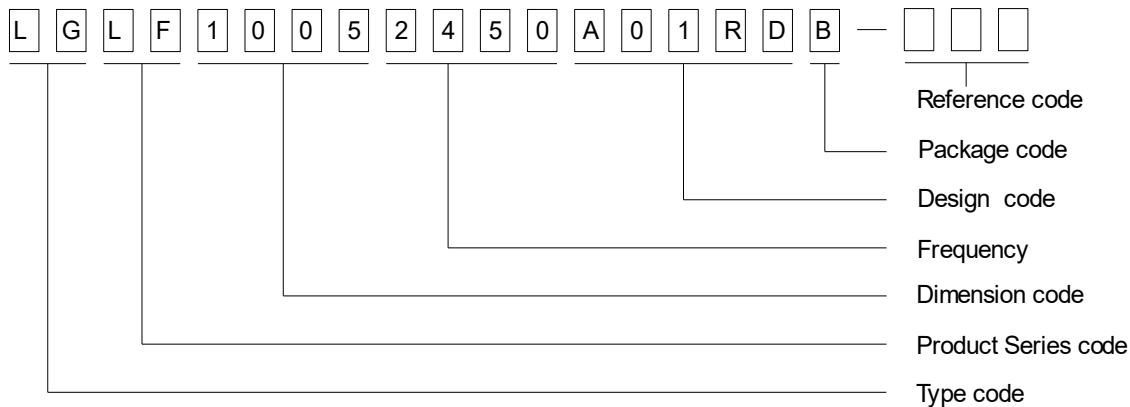
| Code | Inner : Reel |         |       |
|------|--------------|---------|-------|
|      | Q'TY (pcs)   | G.W.(g) | Style |
| B    | 10000        | 120     | 07-08 |

# SPECIFICATION

REF. :

|            |                            |               |             |                        |   |
|------------|----------------------------|---------------|-------------|------------------------|---|
| PROD NAME. | Multilayer Low Pass Filter | ABC'S DWG NO. |             | LGLF10052450A01RDB-□□□ |   |
|            |                            | REV.          | 20250812-02 | PAGE                   | 4 |

VIII. Drawing number expression :



Appendix code 2: Package Information

| Code | Inner package       | Cover tape | Carrier tape | Bag        |
|------|---------------------|------------|--------------|------------|
| B    | T /R (Reel package) | Heat seal  | Paper        | Antistatic |