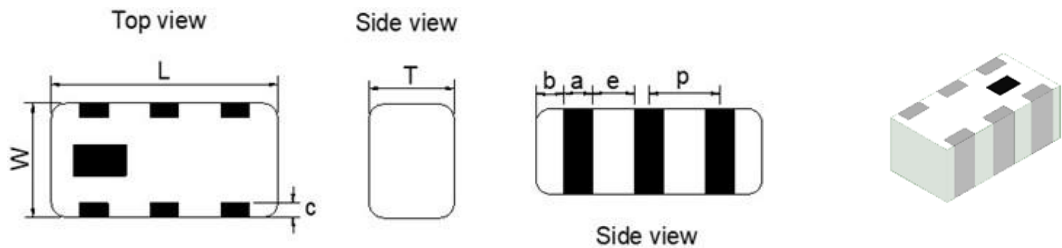


SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450AA3CTB-□□□	
		REV.	20250812-02	PAGE	1

I. Configuration and dimensions :



Unit : mm

L		W		T
1.6±0.1		0.8±0.1		0.6±0.1
a	b	c	e	p
0.3±0.1	0.1±0.1	0.15±0.1	0.25±0.1	0.55±0.1

II. APPLICATION & Materials :

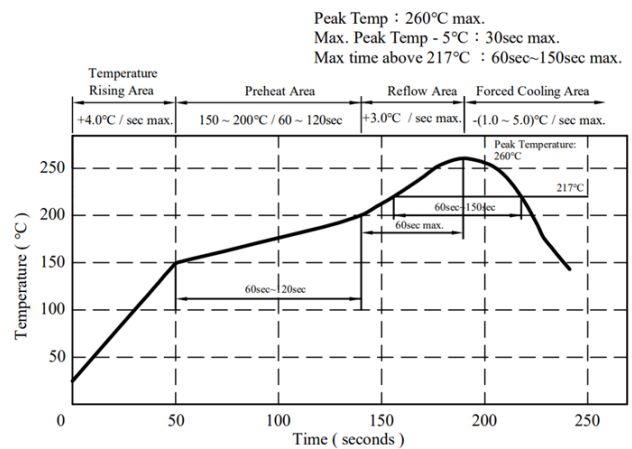
- For 2400-2500MHz / 5150-5950MHz
- Body : Ceramic
- Internal conductor : Silver
- Terminal electrode : Ag / Ni / Sn
- Products comply with RoHS' requirements
- Halogen free

III. General specification :

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

Solder temp. : 260°C

Dip time : 10 sec max



SPECIFICATION

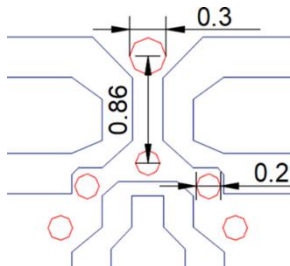
REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450AA3CTB-□□□		
		REV.	20250812-02	PAGE	2	

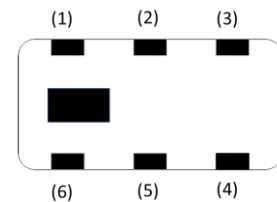
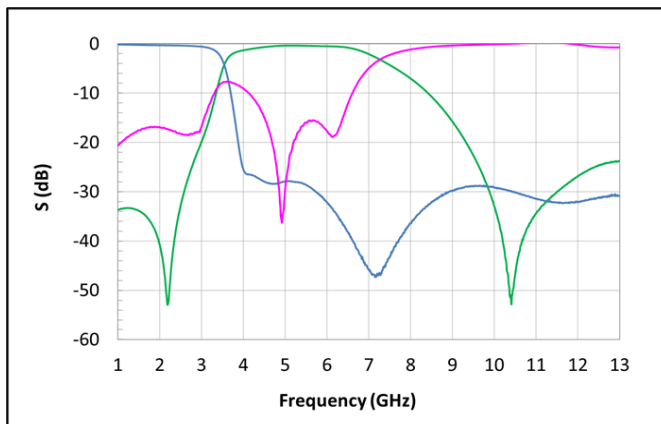
IV. Electrical characteristics :

Item		Frequency Range (MHz)	Min.	Max.	Typ.
Low-Band	Insertion loss (dB)	2400~2500	-	0.40	0.35
	Return loss (dB)	2400~2500	10	-	18.2
	Attenuation (dB)	4800~5000	25	-	28.7
		7200~7500	28		39.5
High-Band	Insertion loss (dB)	5150~5950	-	0.90	0.53
	Return loss (dB)	5150~5950	10	-	14.4
	Attenuation (dB)	30~2700	25	-	32.9
		10300~11900	25		27.8
Common	Return loss (dB)	2400~2500	10	-	18.2
		5150~5950	10	-	14.4
Characteristic Impedance (Ω)		50 Ω			

V. RECOMMENDED PCB LAYOUT :



VI. ELECTRICAL CHARACTERISTICS (Temperature =25°C)



Terminal Configuration			
NO	Terminal Name	NO	Terminal Name
(1)	Low-Band Port	(4)	GND
(2)	GND	(5)	Common Port
(3)	High-Band Port	(6)	GND

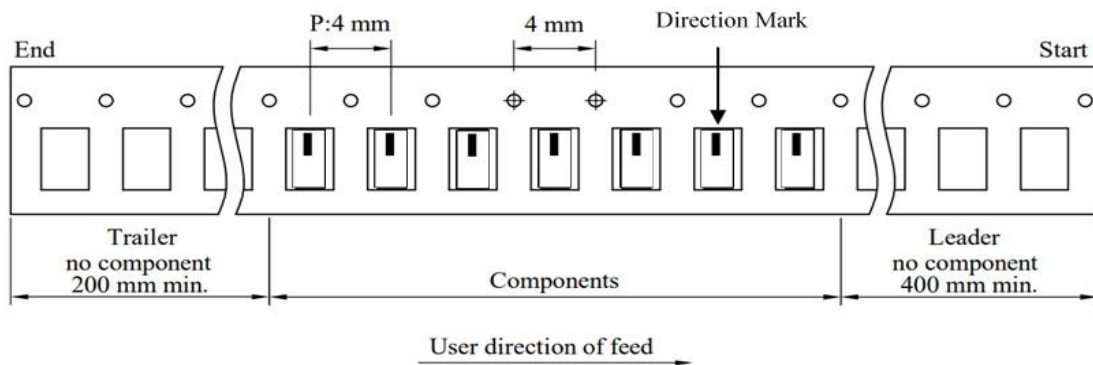
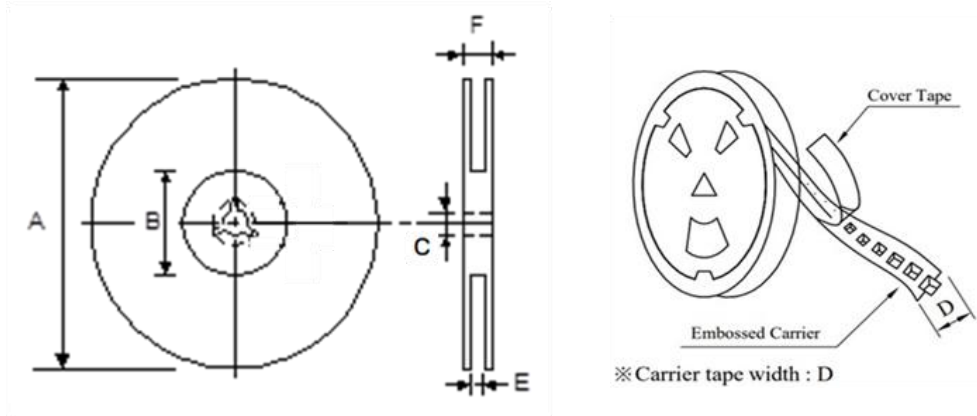
SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450AA3CTB-□□□		
		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		Outer : Carton	
	Q'TY (pcs)	Style	Q'TY (pcs)	Size (cm)
B	4000	07-08	200,000	41 x 39 x 22

SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450AA3CTB-□□□	
		REV.	20250812-02	PAGE	4

VIII. Drawing number expression :

L

G

D

P

1

6

0

8

2

4

5

0

A

A

3

C

T

B

—

□

□

□

Reference code

Package code

Design code

Frequency

Dimension code

Product Series code

Type code

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	