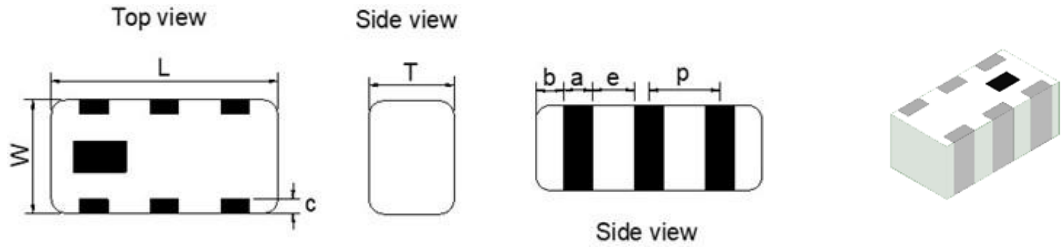


SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450FA1CTB-□□□	
		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 :

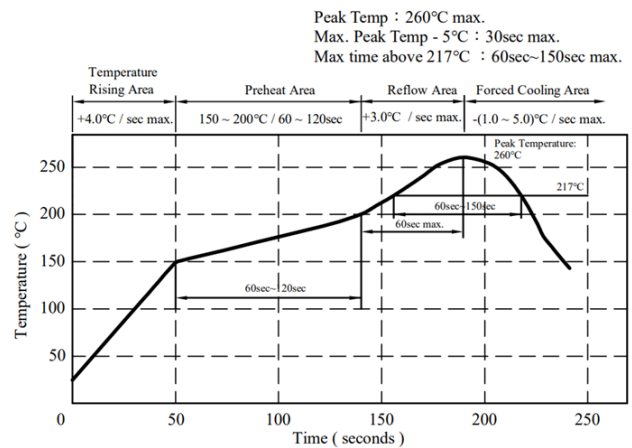
- For 2400-2500MHz / 5150-5950MHz
- Body : Ceramic
- Internal conductor : Silver
- Terminal electrode : Ag / Ni / Sn
- Products comply with RoHS' requirements
- Halogen free

III. General specification :

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

Solder temp. : 260°C

Dip time : 10 sec max



SPECIFICATION

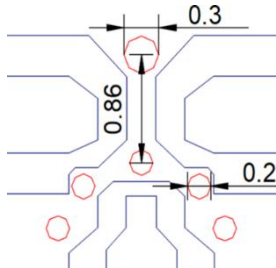
REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450FA1CTB-□□□		
		REV.	20250812-02	PAGE	2	

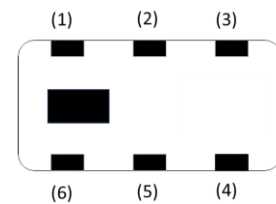
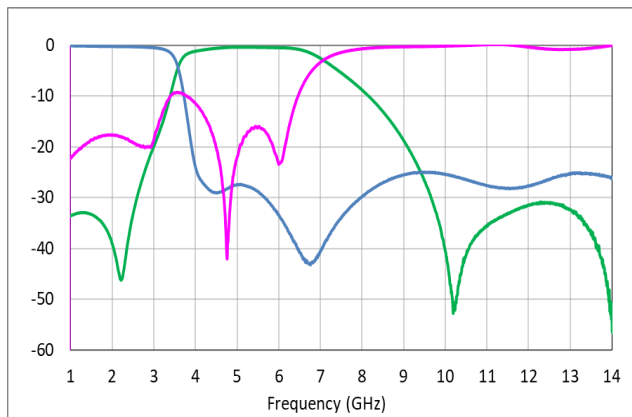
IV. Electrical characteristics :

Item		Frequency Range (MHz)	Min.	Max.	Typ.
Low-Band	Insertion loss (dB)	2400~2500	-	0.40	0.31
	Return loss (dB)	2400~2500	10	-	20.7
	Attenuation (dB)	4800~5000	25	-	27.5
		7200~7500	28		34.1
High-Band	Insertion loss (dB)	5150~5950	-	0.90	0.55
	Return loss (dB)	5150~5950	10	-	14.4
	Attenuation (dB)	30~2700	25	-	28.3
		10300~11900	25		31.8
Common	Return loss (dB)	2400~2500	10	-	20.7
		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)	GND	(4)	Low-Band Port
(2)	Common Port	(5)	GND
(3)	GND	(6)	High-Band Port

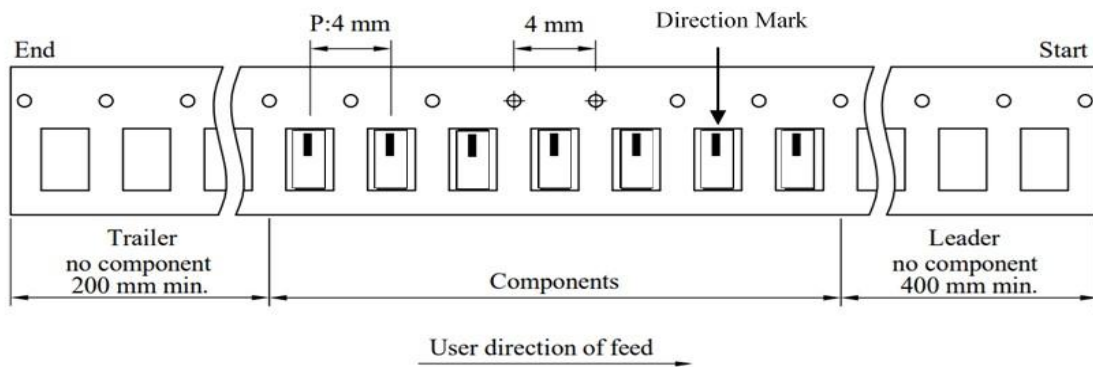
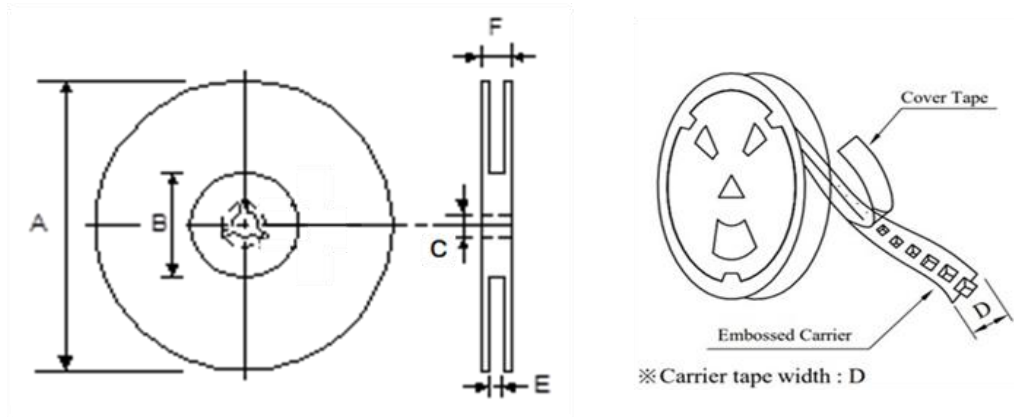
SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450FA1CTB-□□□		
		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

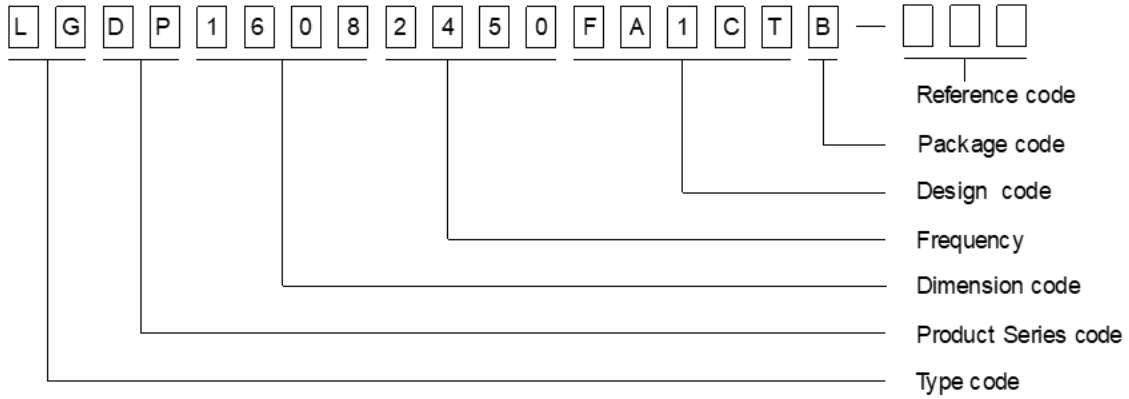
Code	Inner : Reel		Outer : Carton	
	Q'TY (pcs)	Style	Q'TY (pcs)	Size (cm)
B	4000	07-08	200,000	41 x 39 x 22

SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450FA1CTB-□□□		
		REV.	20250605-01	PAGE	4	

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	