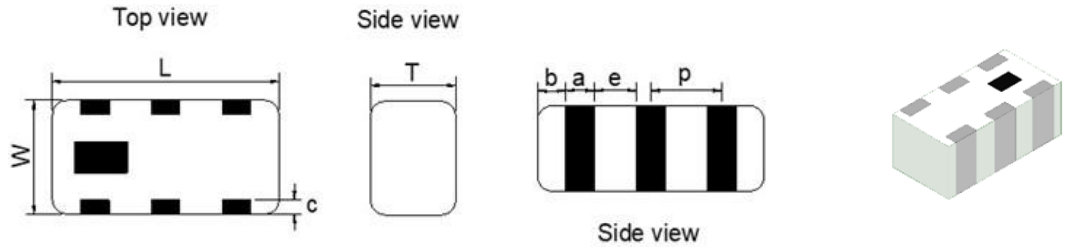


SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16081575AA1CTB-□□□	
		REV.	20250812-02	PAGE	1

I. Configuration and dimensions :



Unit : mm

L		W		T
1.6±0.1		0.8±0.1		0.7max
a	b	c	e	p
0.2±0.1	0.20+0.10/-0.15	0.15±0.1	0.3±0.1	0.5±0.1

II. APPLICATION & Materials :

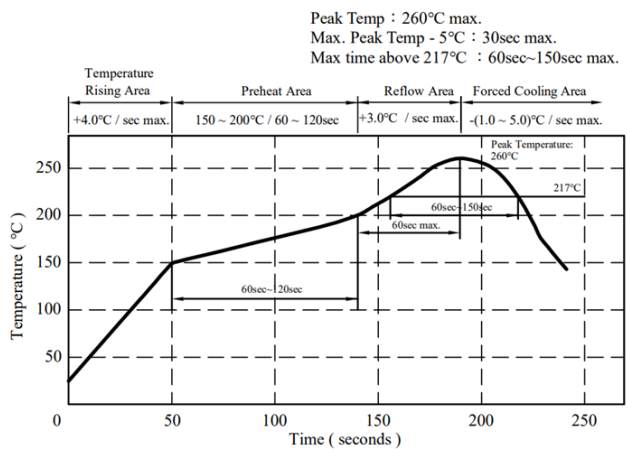
- For 1575 & 2450 MHz
- Body : Ceramic
- Internal conductor : Silver
- Terminal electrode : Ag / Ni / Sn
- Products comply with RoHS' requirements
- Halogen free

III. General specification :

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

Solder temp. : 260°C

Dip time : 10 sec max



SPECIFICATION

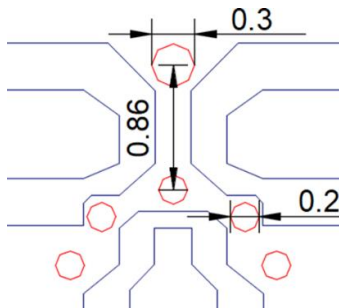
REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16081575AA1CTB-□□□	
		REV.	20250812-02	PAGE	2

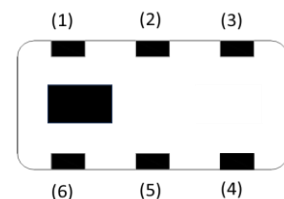
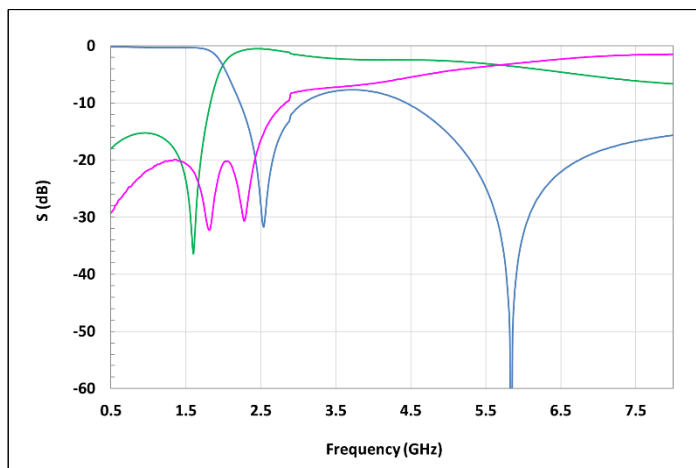
IV. Electrical characteristics :

Item		Frequency Range (MHz)	Min.	Max.	Typ.
Low-Band	Insertion loss (dB)	1572~1578	-	0.35	0.28
	Return loss (dB)	1572~1578	14	-	24
	Attenuation (dB)	2400~2500	13	-	18
High-Band	Insertion loss (dB)	2400~2500	-	0.60	0.45
	Return loss (dB)	2400~2500	14	-	17
	Attenuation (dB)	1572~1578	22	-	27
Common	Return loss (dB)	1572~1578	14	-	24
		2400~2500	14	-	17
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

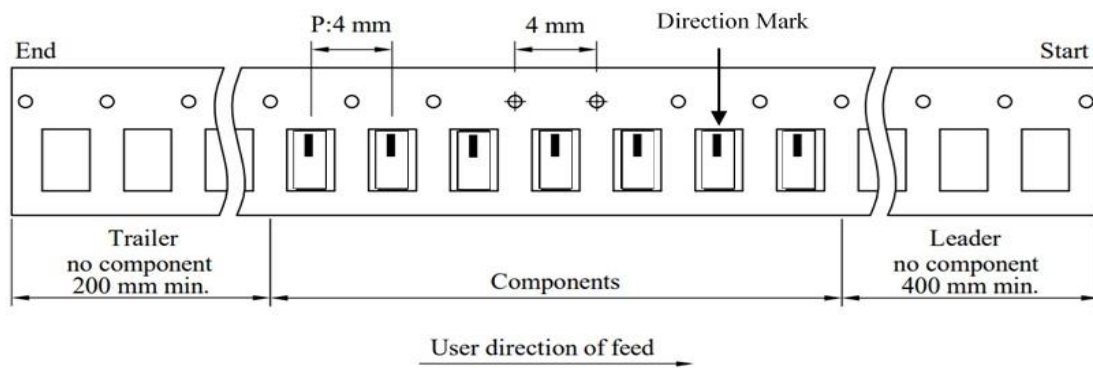
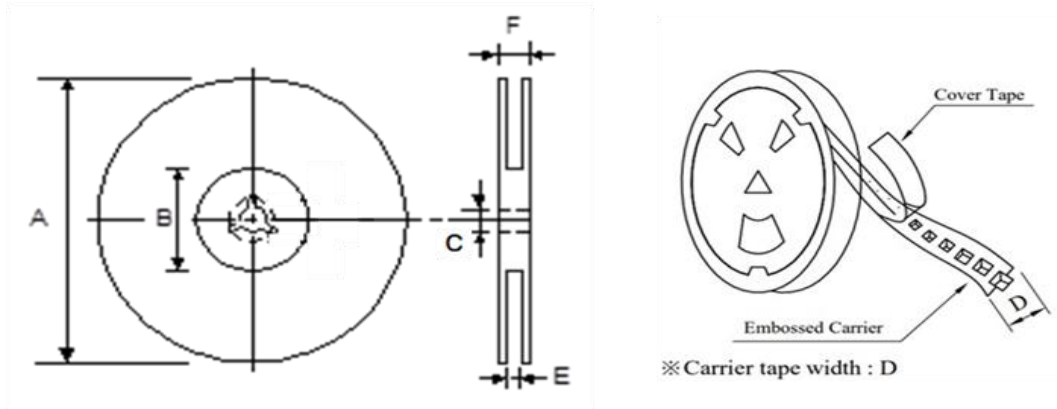
SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16081575AA1CTB-□□□		
		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)	G.W.(g)	Style	Q'TY (pcs)	G.W.(Kg)	Size (cm)
B	4000	72.7	07-08	200,000	5.06	41 x 39 x 22

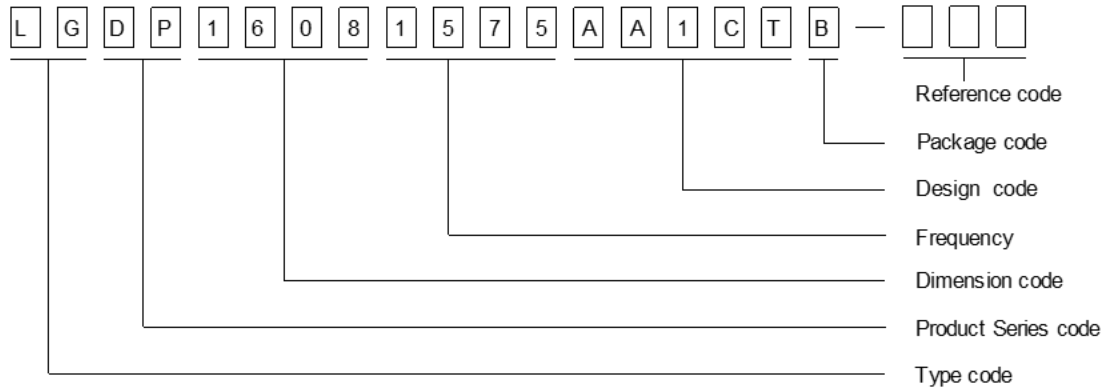
AR-001C

SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16081575AA1CTB-□□□	
		REV.	20250812-02	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	