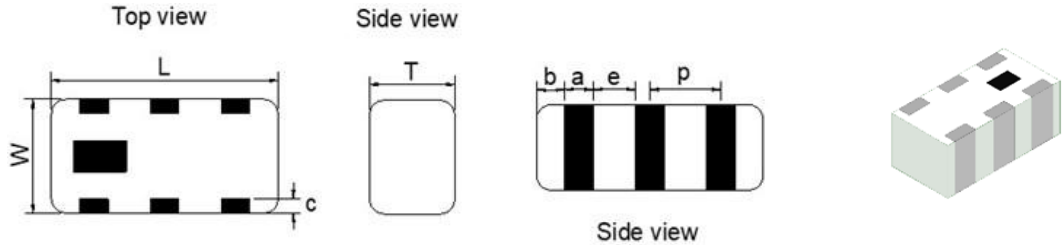


SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450DA1CTB-□□□	
		REV.	20251021-A	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
0.2±0.1	0.2±0.15	0.15±0.1	0.3±0.1	0.5±0.05

II. APPLICATION & Materials :

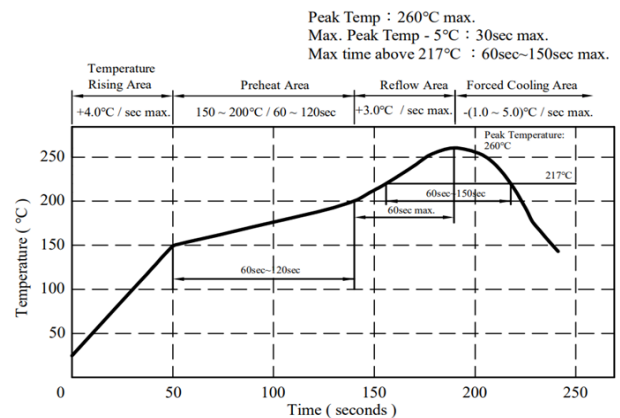
- For 2400-2500 MHz / 5150~7125 MHz
- Body : Ceramic
- Internal conductor : Silver
- Terminal electrode : Ag / Ni / Sn
- Products comply with RoHS' requirements
- Halogen free

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.		LGDP16082450DA1CTB-□□□		
		REV.	20251021-A	PAGE	2	
IV. Electrical characteristics :						
Item		Frequency Range (MHz)	Min.	Max.	Typ.	
Low-Band	Insertion loss (dB)	2400~2500	-	0.95	0.85	
	Return loss (dB)	2400~2500	15.0	-	18.0	
	Attenuation (dB)	30~1000	14.0	-	18.9	
		4800~7125	30.0	-	33.8	
		7200~7500	30.0	-	34.3	
		7700~7950	28.0	-	33.7	
		7950~12000	22.0	-	25.9	
		High-Band	Insertion loss (dB)	5150~7125	-	1.5
Return loss (dB)	5150~7125		12.0	-	15.0	
Attenuation (dB)	100~1000		45.0	-	59.7	
	2400~2500		30.0	-	39.7	
	2700~3500		15.0	-	17.5	
	3600~4200		5.0	-	6.8	
	4200~4400		3.0	-	4.6	
	10300~12250		25.0	-	36.1	
	12250~14250		15.0	-	18.2	
	15450~21375		12.0	-	16.3	
Common	Return loss (dB)	2400~2500	15.0	-	18.0	
		5150~7125	12.0	-	15.0	
Isolation LB-HB (dB)		2400~2500	30.0	-	37.5	
		4800~7125	25.0	-	33.2	
		11900~13000	30.0	-	37.7	
Characteristic Impedance (Ω)		50 Ω				

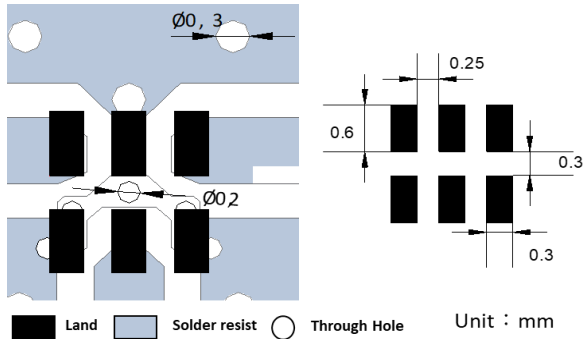
AR-001C

SPECIFICATION

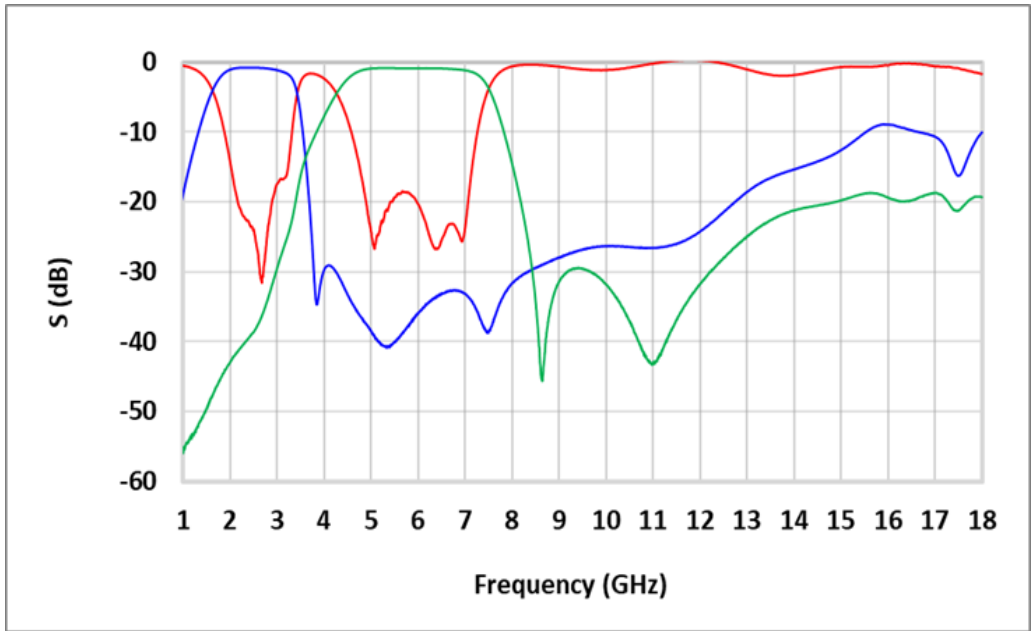
REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450DA1CTB-□□□	
		REV.	20251021-A	PAGE	3

V. RECOMMENDED LAND PATTERN :

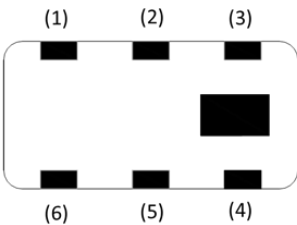


VI. ELECTRICAL CHARACTERISTICS (Temperature =25°C)



[Top view]

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



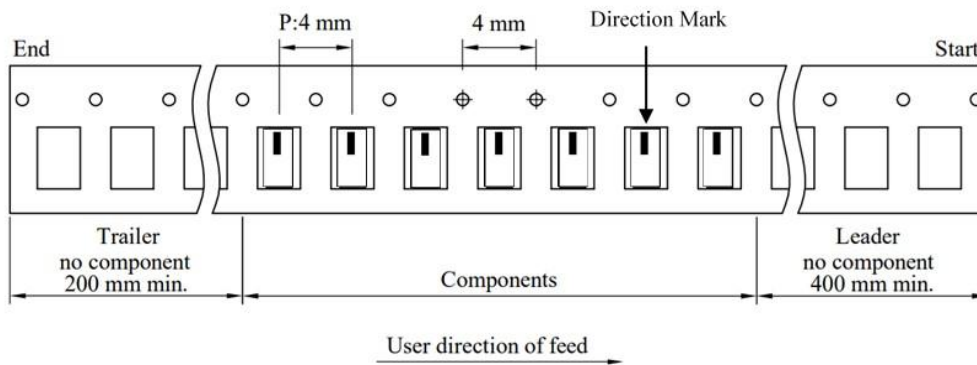
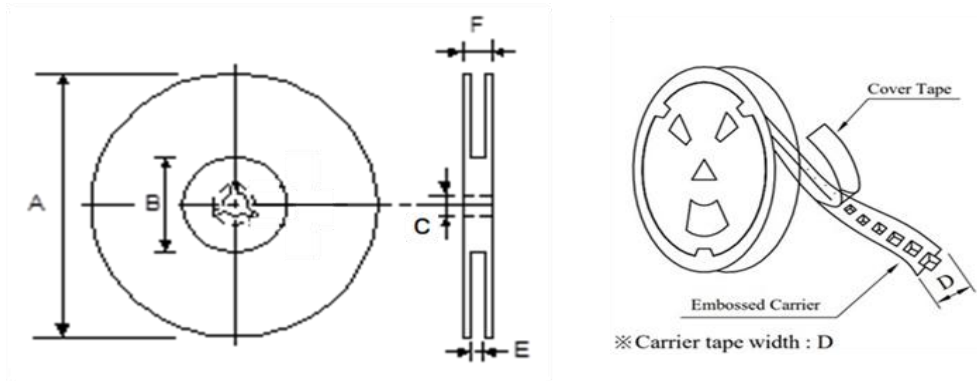
SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450DA1CTB-□□□	
		REV.	20251021-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

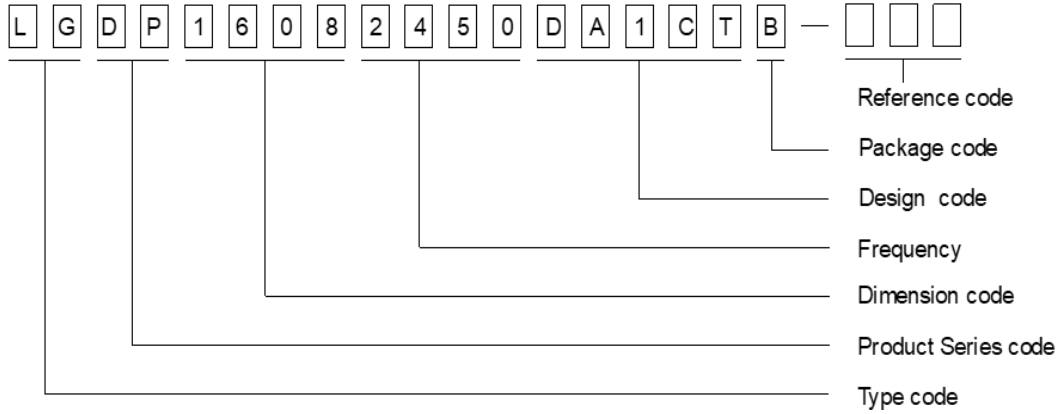
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SPECIFICATION

REF. :

PROD NAME.	Multilayer Chip Diplexer	ABC'S DWG NO.		LGDP16082450DA1CTB-□□□		
		REV.	20251021-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