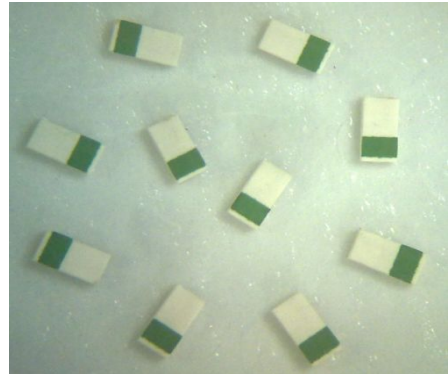


## Multilayer Chip Low Pass Filter 叠层片式低通滤波器

### FEATURES 特点

- **Multilayer monolithic construction yields high reliability**  
独石结构，可靠性高
- **Low insertion loss and small size SMD chip design**  
低插入损耗和小体积SMD片式设计
- **Can simplify your complex tuning and circuit design**  
能减少复杂的调校工作，简化电路设计



### APPLICATIONS 应用

- **PHS/GSM/DCS/PCS phones, Wlan card, Bluetooth modules, etc. LTE/GSM/DCS/PCS 手机，无线局域网卡和蓝牙模块等**
- **RF and Wireless Communication system. 射频和无线通讯系统**

### Product Identification 产品标识

MLPF      18      M0820      P69      L08  
①            ②            ③            ④            ⑤

① **Series name 系列名称**

② **Dimension 产品尺寸 L×W: 【21:2.0mm×1.2mm 18: 1.6mm×0.8mm 15: 1.0mm×0.5mm】**

③ **Frequency 频率: 800MHz/2025MHz**

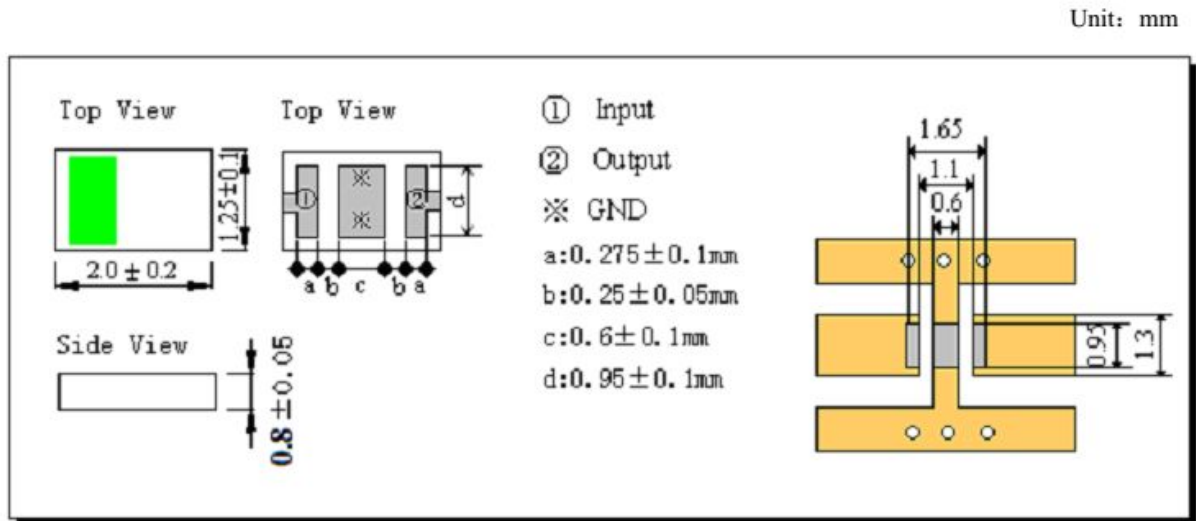
④ **Structure Type 结构类型: P69**

⑤ **Coupler type 编号及产品标识号**

## Multilayer Chip Low Pass Filter 叠层片式低通滤波器

Part No. 型号:MLPF21M0820P69-L08

### . Dimensions 外形尺寸 (Unit: mm)



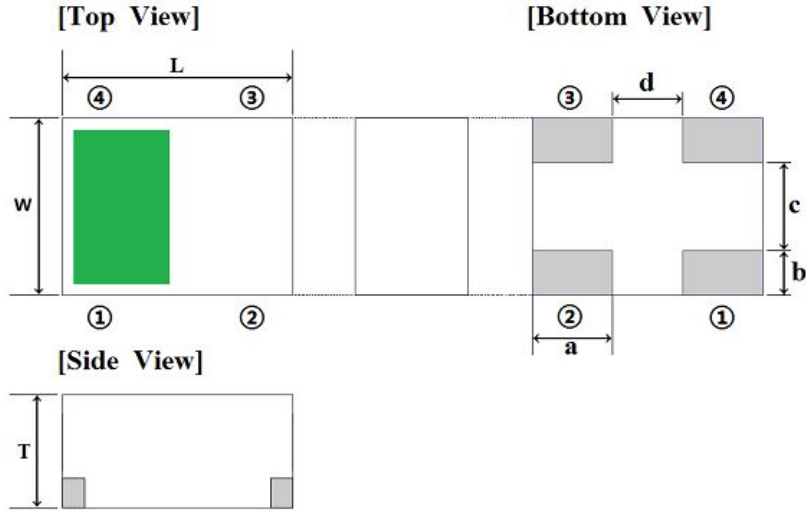
### . Electrical Characteristics 电气性能

No.	Item (项目)	Specifications (特性)
5.1	Frequency Range 频率范围 f1 (MHz)	800~1000
	Frequency Range 频率范围 f2 (MHz)	1700~1910
	Frequency Range 频率范围 f3 (MHz)	2010~2025
5.2	Insertion Loss 插入损耗@f1	0.5dB max
	Insertion Loss 插入损耗@f2	0.8dB max.
	Insertion Loss 插入损耗@f3	1.5dB max
5.3	V.S.W.R (in BW) 驻波比	$\leq 2.0$
5.4	Attenuation 阻带衰耗	$\geq 20\text{dB}$ (2300MHz~6100MHz) $\geq 30\text{dB}$ (3700MHz~4100MHz) $\geq 10\text{dB}$ (6100MHz~8000MHz)

## Multilayer Chip Low Pass Filter 叠层片式低通滤波器

Part No. 型号:MLPF0605M0915P69-L10

### . Dimensions 外形尺寸 (Unit: mm)



[Dimension] Unit: mm

Mark	L	W	T	a	b	c	d
Dimension	$0.65 \pm 0.04$	$0.5 \pm 0.04$	$0.3 \pm 0.05$	$0.225 \pm 0.04$	$0.125 \pm 0.04$	$0.25 \pm 0.04$	$0.2 \pm 0.04$

①	②	③	④
Input/Output	Input/Output	GND	GND

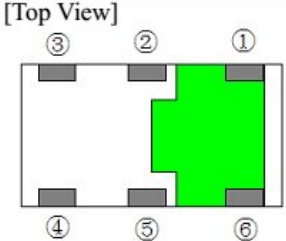
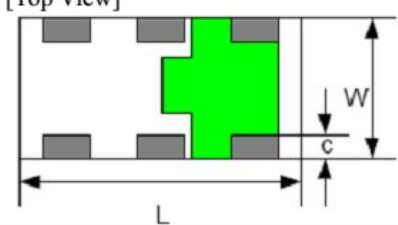
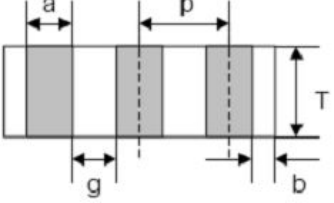
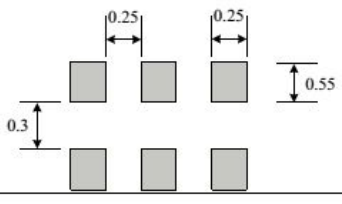
### . Electrical Characteristics 电气性能

No.	Item (项目)	Specifications (特性)
5.1	Frequency Range 频率范围	824~915 MHz
5.2	Insertion Loss 插入衰耗	$\leq 0.5\text{dB}$
5.3	Return Loss 回波损耗	$\geq 14\text{dB}$
5.4	Attenuation 阻带衰耗	$\geq 20\text{dB}$ (2400~2750MHz)
5.5	In/Output Impedance 输入/输出阻抗	50 $\Omega$

## Multilayer Chip Low Pass Filter 叠层片式低通滤波器

Part No. 型号:MLPF18M2500P69-L12

### . Dimensions 外形尺寸 (Unit: mm)

Unit:mm								
								
								
Terminal Configuration								
①	GND			④	GND			
②	IN			⑤	OUT			
③	GND			⑥	GND			
Mark	W	L	T	a	B	c	g	p
Dimensions(mm)	0.8±0.1	1.6±0.1	0.6±0.1	0.2±0.1	0.2±0.1	0.15±0.1	0.3±0.1	0.5±0.1

### . Electrical Characteristics 电气性能

No.	Item (项目)	Specifications (特性)
5.1	Frequency Range 频率范围	2300~2700MHz
5.2	Insertion Loss 插入损耗	0.62dB max
5.3	V.S.W.R (in BW) 驻波比	≤2.0
5.4	Attenuation 阻带衰耗	≥27dB (4600MHz~5400MHz) ≥25dB (6900MHz~8100MHz)