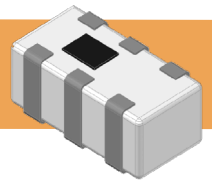
叠层片式 LC 耦合器—SLCP 系列
Multilayer Chip LC Coupler – SLCP Series



工作温度 Operating Temp

- -40˚C ~+85˚C

特征 Features

- 体积小，适合高密度贴装
- 低插损、高耦合
- 具有优良的焊接性能
- Small and low profile enables high density mounting
- Low insertion loss and high coupling
- Excellent solderability

用途 Applications

- 载波聚合，LTE，5G 等系统的移动通讯设备
- 基站应用
- Mobile communication system, such as CA, LTE, 5G
- Base station application

产品型号 Product Identification

1	2	3	4	5
SLCP	18	-2R700G	-02	T

1

分类 Type	
SLCP	耦合器 LC Coupler

2

外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	
06 [0202]	0.6×0.5
18 [0603]	1.6×0.8
21 [0805]	2.0×1.2
31 [1206]	3.2×1.6

3

中心频率 Center Frequency	
Example	NoMinal Value
2R700G	2700MHz

4

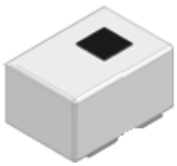
系列代号 Series Code
02

5

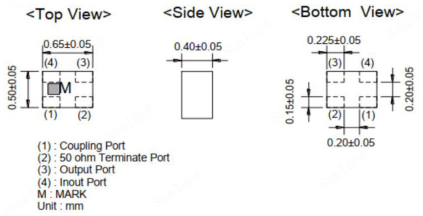
包装 Packing	
T	编带 Tape Carrier Package

外观尺寸 Shape and Dimensions

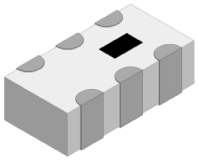
Type: SLCP06 Series



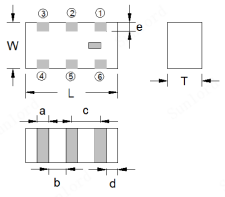
Dimensions and Land Patterns (As Refence)



Type: SLCP18 Series

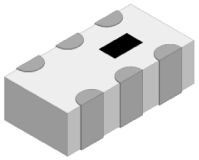
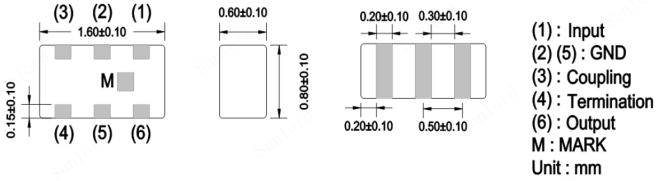
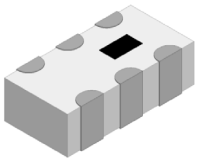
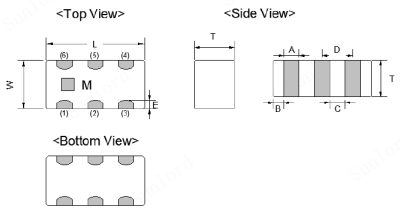
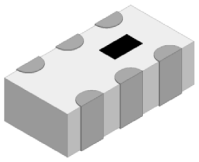
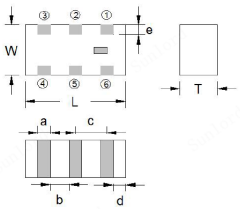


Dimensions and Land Patterns (As Refence)

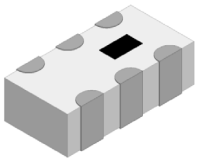
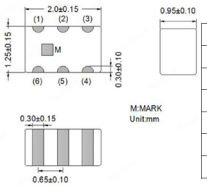


Number	Terminal Name	Number	Terminal Name
①	IN	④	Termination Port
②	GND	⑤	GND
③	OUT	⑥	Coupling

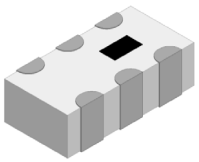
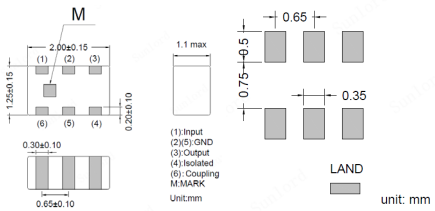
外观尺寸
Shape and Dimensions

SLCP18-2R700G-02T	Dimensions and Land Patterns (As Refence)
	
SLCP18-2R700G-15T	Dimensions and Land Patterns (As Refence)
	
SLCP18-5R400G-01T/ SLCP18-6R000G-01T	Dimensions and Land Patterns (As Refence)
	

Number	Terminal Name	Number	Terminal Name
①	IN	④	Termination Port
②	GND	⑤	GND
③	OUT	⑥	Coupling

Type: SLCP21 Series	Dimensions and Land Patterns (As Refence)
	

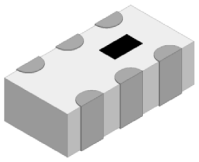
Pin	Configuration-1	Configuration-2	Configuration-3	Configuration-4
1	Input	Isolated	Direct	Coupled
2	GND	GND	GND	GND
3	Isolated	Input	Coupled	Direct
4	Direct	Coupled	Input	Isolated
5	GND	GND	GND	GND
6	Coupled	Direct	Isolated	Input

SLCP21-0R850G-03T	Dimensions and Land Patterns (As Refence)
	

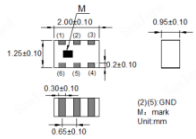
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外观尺寸
Shape and Dimensions

SLCP21-0R850G-04T

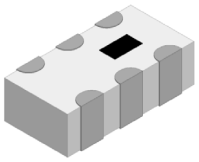


Dimensions and Land Patterns (As Refence)

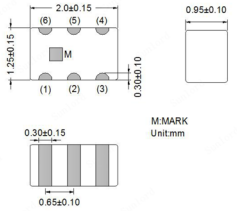


Configuration	Pin1	Pin3	Pin4	Pin6
Case 1.	Direct	Coupled	Input	Isolated
Case 2.	Coupled	Direct	Isolated	Input

SLCP21-2R550G-01T/ SLCP21-3R550G-01T

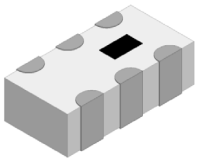


Dimensions and Land Patterns (As Refence)

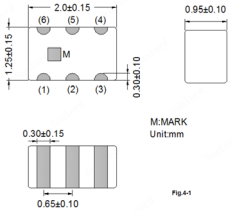


Pin	Configuration-1	Configuration-2	Configuration-3	Configuration-4
1	Input	Isolated	Direct	Coupled
2	GND	GND	GND	GND
3	Isolated	Input	Coupled	Direct
4	Direct	Coupled	Input	Isolated
5	GND	GND	GND	GND
6	Coupled	Direct	Isolated	Input

SLCP21-3R500G-06T

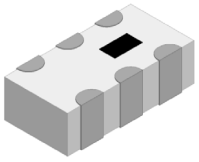


Dimensions and Land Patterns (As Refence)

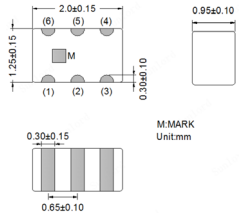


Number	Terminal Name	Number	Terminal Name
①	IN	④	GND
②	Coupling	⑤	Termination Port
③	GND	⑥	OUT

SLCP21-4R700G-11/12T

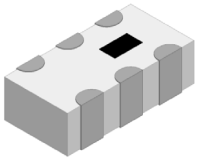


Dimensions and Land Patterns (As Refence)

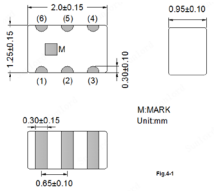


Pin	Configuration-1
1	Input
2	GND
3	Isolated
4	Direct
5	GND
6	Coupled

SLCP21-5R300G-01T

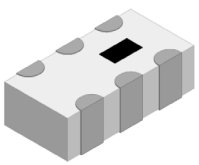


Dimensions and Land Patterns (As Refence)

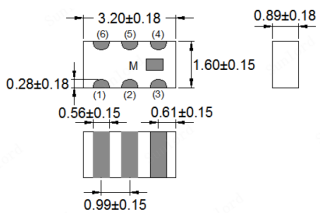


Number	Terminal Name	Number	Terminal Name
①	IN	④	Termination Port
②	GND	⑤	GND
③	OUT	⑥	Coupling

SLCP31-0R300G-31T/ SLCP31-0R500G-01T



Dimensions and Land Patterns (As Refence)



Pin	Configuration-1
1	Input
2	GND
3	Isolated
4	Direct
5	GND
6	Coupled

规格特性
Specifications

SLCP06 TYPE

型号 Part Number	中心频率 Center Frequency	通带 Pass Band	插入损耗 Max. IL in PB (@ 25°C)	耦合度 Coupling Value	方向性 Directivity
单位 Units	MHz	MHz	dB	dB	dB
符号 Symbol	f_0	PB	IL	-	-
SLCP06-5R950G-05T	5950	2400~2500	0.3	17~20.7	-
		4900~5950	0.6	11~14	
SLCP06-6R000G-31T	6000	5150~7125	0.15	24.5±2.5	-

SLCP18 TYPE

型号 Part Number	中心频率 Center Frequency	通带 Pass Band	插入损耗 Max. IL in PB (@ 25°C)	耦合度 Coupling Value	方向性 Directivity
单位 Units	MHz	MHz	dB	dB	dB
符号 Symbol	f_0	PB	IL	-	-
SLCP18-2R450G-01T	2450	2400~2500	0.2	20±2	23 dB Min.
SLCP18-2R700G-02T	2700	698~960	0.23	25.5±2 dB@698~915MHz	-
		1710~2170	0.25	22.5±2 dB@1710~2025MHz	-
		2300~2690	0.28	23.5±2 dB@2300~2620MHz	-
SLCP18-2R700G-15T	Band 1	698~960	0.23	25±3 dB@698~915MHz	-
	Band 2	1710~2170	0.25	23±3 dB@1710~2025MHz	
	Band 3	2300~2690	0.28	24±3 dB@2300~2620MHz	
SLCP18-5R400G-01T	5400	4900~5900	0.2	18~24	17 dB Min.
SLCP18-6R000G-01T	6000	4900~7125	0.25	20~24	20 dB Min.
SLCP18-6R000G-31T	6000	5925~7125	0.30	18~24	18 dB Min.

SLCP21 TYPE

型号 Part Number	中心频率 Center Frequency	通带 Pass Band	插入损耗 Max. IL in PB (@ 25°C)	耦合度 Coupling value	方向性 Directivity
单位 Units	MHz	MHz	dB	dB	dB
符号 Symbol	f_0	PB	IL	-	-
SLCP21-0R850G-03T	850	700~1000	0.3	21.5±2.5	14 dB Min.
SLCP21-0R850G-04T	850	700~1000	0.6	5±0.5	19 dB Min.
SLCP21-2R000G-02T	2000	1700~2300	0.4	3	-
SLCP21-2R500G-02T	2500	2300~2700	0.4	3	-
SLCP21-2R550G-01T	2550	2400~2700	0.3	5±0.6	-
SLCP21-3R500G-11T	3500	3200~3700	0.4	3	-
SLCP21-3R500G-02T	3500	3300~3800	0.4	3	-
SLCP21-3R500G-06T	3500	3300~3700	0.21	19.1 dB Min. 22.9 dB Max.	9.7
SLCP21-3R550G-01T	3550	3300~3800	0.3	5±0.6	-
SLCP21-3R950G-01T	3950	3800~4100	0.4	2.9~3.6	-
SLCP21-4R700G-01T	4700	4400~5000	0.3	3±0.3	-
SLCP21-4R700G-11T	4700	4400~5000	0.3	5±0.3	-
SLCP21-4R700G-12T	4700	4400~5000	0.4	2±0.6	-
SLCP21-5R200G-05T	5200	4400~6000	0.35 dB Max. @4400~4800MHz	2.7~3.3	-
			0.3 dB Max. @4800~5000MHz		
			0.35 dB Max. @5000~6000MHz		

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规格特性
Specifications

SLCP21 TYPE

型号 Part Number	中心频率 Center Frequency	通带 Pass Band	插入损耗 Max. IL in PB (@ 25°C)	耦合度 Coupling value	方向性 Directivity
单位 Units	MHz	MHz	dB	dB	dB
符号 Symbol	f_0	PB	IL	-	-
SLCP21-5R300G-01T	5300	4700~5900	0.32	18.6 dB Min. 21.0 dB Max.	5.3
SLCP21-6R000G-01T	6000	4000~8000	1.0 dB Max. @4000~5000MHz	-	-
			1.0 dB Max. @5000~6000MHz		
			1.1 dB Max. @6000~7000MHz		
			1.5 dB Max. @7000~8000MHz		

SLCP31 TYPE

型号 Part Number	中心频率 Center Frequency	通带 Pass Band	插入损耗 Max. IL in PB (@ 25°C)	耦合度 Coupling value	方向性 Directivity
单位 Units	MHz	MHz	dB	dB	dB
符号 Symbol	f_0	PB	IL	-	-
SLCP31-0R300G-31T	300	220-470	0.8	3.0-4.2	-
		270-350	0.7	3.0-3.5	
		350-450	0.8	3.0-4.2	
SLCP31-0R500G-01T	500	210~728	0.8	3	-