

Multilayer Chip LC Coupler – SLCP Series

Operating Temp. : -40°C~+85°C



FEATURES

- Small and low profile enables high density mounting
- Low insertion loss and high coupling
- Excellent solderability


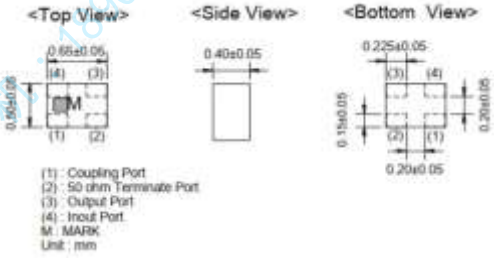

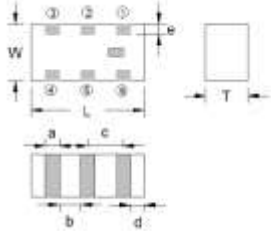
APPLICATIONS

- Mobile communication system, such as CA, LTE, 5G
- Base station application




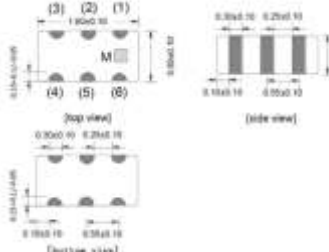

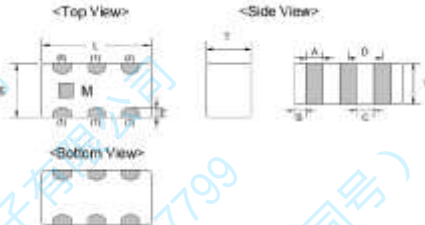

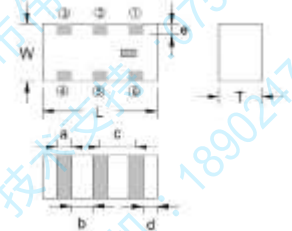

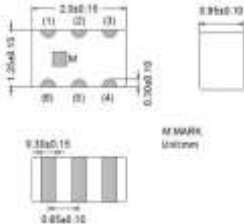

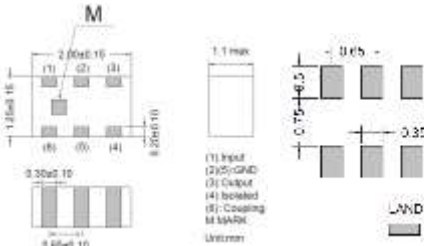
PRODUCT IDENTIFICATION

<u>SLCP</u> ①	<u>18</u> ②	<u>-2R700G</u> ③	<u>-02</u> ④	<u>T</u> ⑤																							
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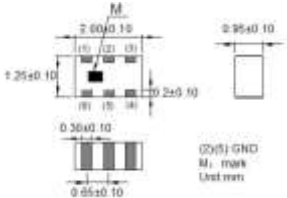

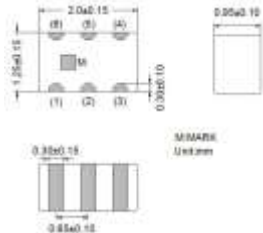

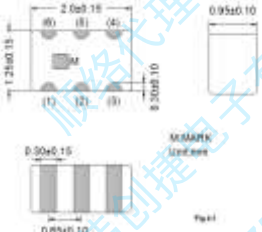

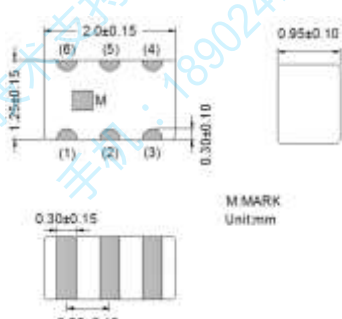

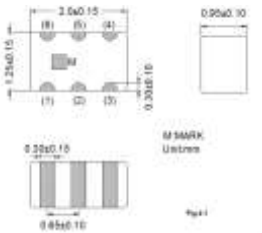
SHAPE AND DIMENSIONS

Type: SLCP06 Series 	Dimensions and Land Patterns  (1) : Coupling Port (2) : 50 ohm Terminate Port (3) : Output Port (4) : Input Port M : MARK Unit : mm																
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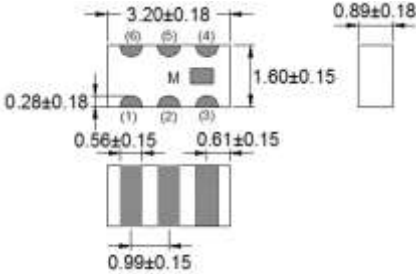
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SLCP31-0R300G-31T/ SLCP31-0R500G-01T	Dimensions and Land Patterns															
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SPECIFICATIONS

SLCP06 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Coupling value	Directivity
Units	MHz	MHz	dB	dB	dB
Symbol	f_0	PB	IL	-	-
SLCP06-5R950G-01T	5950	2400~2500	0.12	17~21	15 dB Min.
		4900~5950	0.45	11~15	10 dB Min.
SLCP06-5R950G-03T	5950	2400~2500	0.3	17~20.7	18 dB Min.
		4900~5950	0.6	11~14	

SLCP18 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Coupling value	Directivity
Units	MHz	MHz	dB	dB	dB
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 at 698~915MHz	20 dB Min.
		1710~2170	0.25	22.5±2 dB at 1710~2025MHz	20 dB Min.
		2300~2690	0.28	23.5±2 dB at 2300~2620MHz	10 dB Min.
SLCP18-2R700G-11T	2700	698~960	0.23	25.5±2 dB at 698~915MHz	-
		1427~2025	0.25	22.5±2 dB at 1710~2025MHz	-
		2300~2690	0.28	24±3 dB at 2300~2620MHz	-
SLCP18-2R700G-15T	Band 1	698~960	0.23	25±3 dB at 698~915MHz	-
	Band 2	1710~2170	0.25	23±3 dB at 1710~2025MHz	
	Band 3	2300~2690	0.28	24±3 dB at 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.

SPECIFICATIONS

SLCP21 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Coupling value	Directivity
Units	MHz	MHz	dB	dB	dB
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 dB Max. @ 1700~2300MHz	3	-
SLCP21-2R500G-02T	2500	2300~2700	0.40 dB Max.	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		
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. at 4000~5000MHz	-	-
			1.0 dB Max. at 5000~6000MHz		
			1.1 dB Max. at 6000~7000MHz		
			1.5 dB Max. at 7000~8000MHz		

SLCP31 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Coupling value	Directivity
Units	MHz	MHz	dB	dB	dB
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	-