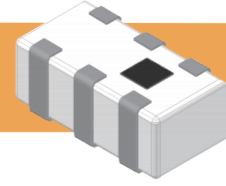


叠层片式平衡转换器—SLBL 系列

Multilayer Chip Balun – SLBL Series



工作温度

Operating Temp

◆ -40℃ ~ +85℃

特征

Features

- ◆ 体积小, 适合高密度贴装
- ◆ 低插损, 优异幅度、相位平衡
- ◆ 表面贴装, 可靠性高
- ◆ Small size, enable high density mounting
- ◆ Low insertion loss, excellent amplitude and phase balance
- ◆ Surface mount type, high reliability

用途

Applications

- ◆ LTE, 5G 等系统的移动通讯设备
- ◆ Bluetooth, Wi-Fi, WLAN 等领域
- ◆ Mobile communication equipment for LTE, 5G systems, etc.
- ◆ Bluetooth, Wi-Fi, WLAN etc.

产品型号

Product Identification

1	2	3	4	5	6
SLBL	18	-2R450G	-05	-31	T
1	2	3	4	5	6
分类 Type	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	中心频率 Center Frequency	平衡阻抗 Balance Impedance	系列代号 Series Code	包装 Packing
SLBL	06 [0202] 0.6×0.5 15 [0402] 1.0×0.5 18 [0603] 1.6×0.8 21 [0805] 2.0×1.2	Example NoMinal Value 2R450G 2450.0MHz 5R400G 5400.0MHz	05 50 Ω 10 100 Ω	01,31 etc.	T 编带 Tape Carrier Package

外观尺寸

Shape and Dimensions

Type: SLBL06 Series	Dimensions and Land Patterns
	<Top View> <Side View> (1): GND (2): Unbalanced Port (3) (4): Balanced Port M: MARK Unit: mm
SLBL06-1R900G-10-03T	Dimensions and Land Patterns
	<Top View> <Side View> <Bottom View> (1): GND (2): Unbalanced Port (3) (4): Balanced Port M: MARK Unit: mm

外观尺寸 Shape and Dimensions

Type: SLBL15 Series	Dimensions and Land Patterns <Top View> <Bottom View> <Side View> (1): Balanced Port (2): Unbalanced Port (3): Balanced Port (4): GND M: MARK Unit: mm
Type: SLBL18 Series	Dimensions and Land Patterns (1): Unbalance Port (2): GND or DC feed+RF GND (3)(4): Balance Port (5): GND (6): NC M: MARK Unit: mm
Type: SLBL21 Series	Dimensions and Land Patterns (1): Unbalance Port (2): GND or DC feed+RF GND (3)(4): Balance Port (5): GND (6): NC M: MARK Unit: mm
SLBL21-1R700G-10-31T	Dimensions and Land Patterns (2): Unbalance Port (4): Balanced Port (6): Balanced Port (1)(3)(5): GND M: MARK Unit: mm

规格特性 Specifications

SLBL06 TYPE

型号 Part Number	非平衡端阻抗 Unbalance Port Impedance	平衡端阻抗 Balance Port Impedance	频率范围 Frequency Range	插入损耗 Insertion Loss	平衡端驻波比 Balance Port VSWR	幅度差 Amplitude Difference	相位差 Phase Difference	功率容量 Power Capacity
单位 Units	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL06-0R770G-10-01T	50	100	698~960	0.6 Max.@25℃	2.0 Max.	3.0 Max.	180±10	500
SLBL06-1R900G-10-03T	50	100	1710~2200	0.6 Max.@25℃	2.0 Max.	3.0 Max.	180±15	500
SLBL06-2R500G-10-01T	50	100	2300~2700	0.55 Max.@25℃	2.0 Max.	2.5 Max.	180±10	500

SLBL15 TYPE

型号 Part Number	非平衡端阻抗 Unbalance Port Impedance	平衡端阻抗 Balance Port Impedance	频率范围 Frequency Range	插入损耗 Insertion Loss	平衡端驻波比 Balance Port VSWR	幅度差 Amplitude Difference	相位差 Phase Difference	功率容量 Power Capacity
单位 Units	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL15-0R770G-10-31T	50	100	758~821	0.6 Max.@25℃	1.5 Max.	2.0 Max.	180±10	500
SLBL15-1R900G-10-31T	50	100	1805~2025	0.6 dB Max.@25℃	1.5 Max.	2.5 Max.	180±10	500

规格特性

Specifications

SLBL18 TYPE

型号 Part Number	非平衡端 阻抗 Unbalance Port Impedance	平衡端阻抗 Balance Port Impedance	频率范围 Frequency Range	插入损耗 Insertion Loss	平衡端 驻波比 Balance Port VSWR	幅度差 Amplitude Difference	相位差 Phase Difference	功率容量 Power Capacity
单位 Units	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL18-1R500G-05-31T	50	50	699~960	1.4dB Max.@25°C	2.0 Max.	± 1.2 dB	180 ± 10	3.0W Max.
			1710~1995	1.3dB Max.@25°C				
			2000~2700	1.5dB Max.@25°C				
SLBL18-1R500G-10-32T	50	100	673~2700	1.7dB Max.@25°C	2.45 Max.	± 1.5 dB	180 ± 15	3.0W Max.
SLBL18-2R500G-05-31T	50	50	2300~2700	1.2 dB Max.@25°C	2.0 Max.	± 1.5 dB	180 ± 10	3.0W Max.
SLBL18-2R500G-10-31T	50	100	2300~2700	1.2 dB Max.@25°C	2.0 Max.	± 1.5 dB	180 ± 10	3.0W Max.
SLBL18-3R600G-05-31T	50	50	3300~3900	1.2 dB Max.@25°C	2.0 Max.	± 1.5 dB	180 ± 15	2.0W Max.
SLBL18-3R600G-10-31T	50	100	3300~3900	1.0 dB Max.@25°C	2.0 Max.	± 1.2 dB	180 ± 15	2.0W Max.
SLBL18-4R500G-05-31T	50	50	3200~4000	1.1 dB Max.@25°C	2.1 Max.	± 1.2 dB	180 ± 12	3.0W Max.
			4000~5000	1.0 dB Max.@25°C	2.0 Max.			
			5000~6000	1.0 dB Max.@25°C	2.0 Max.			
SLBL18-4R500G-10-31T	50	100	3200~4000	1.1 dB Max.@25°C	2.1 Max.	± 1.2 dB	180 ± 12	3.0W Max.
			4000~5000	1.0 dB Max.@25°C	2.0 Max.			
			5000~6000	1.0 dB Max.@25°C	2.0 Max.			

SLBL21 TYPE

型号 Part Number	非平衡端 阻抗 Unbalance Port Impedance	平衡端阻抗 Balance Port Impedance	频率范围 Frequency Range	插入损耗 Insertion Loss	平衡端 驻波比 Balance Port VSWR	幅度差 Amplitude Difference	相位差 Phase Difference	功率容量 Power Capacity
单位 Units	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL21-2R400G-05-01T	50	50	2400 $\pm$ 100	0.8 Max.@25°C	2.0 Max.	2.0 Max.	180 ± 10	500
				0.9 Max. @-40 to +85°C				
SLBL21-0R800G-20-01T	50	200	800~2600	1.5 dB Max.@25°C	-	± 1.3 dB Max.	$180^\circ \pm 13$	3.0W Max.
			700~2800	1.6 dB Max.@25°C		± 1.3 dB Max.	$180^\circ \pm 16.5$	
SLBL21-0R900G-05-31T	50	50	800~1000	1.2 dB Max.@25°C	-	± 2.0 dB Max.	$180^\circ \pm 10$	3.0W Max.
SLBL21-1R700G-10-31T	50	100	400~2500	3.0 dB Max.	-	± 1.4 dB Max.	$180^\circ \pm 12$	2.0 W Max.
			2500~3000	4.0 dB Max.				
SLBL21-2R400G-10-03T	50	100	2400 $\pm$ 100	0.9 Max.@25°C	2.0 Max.	2.0 Max.	180 ± 10	500
				1.0 Max. @-40 to +85°C				
SLBL21-3R000G-10-01T	50	100	2650~3500	1.0 dB Max.@25°C	-	± 1.3 dB Max.	$180^\circ \pm 13$	3W Max.
			2000~4000	1.3 dB Max.@25°C		± 1.48 dB Max.	$180^\circ \pm 16.5$	
SLBL21-5R400G-10-31T	50	100	4900~5900	1.0 dB Max.@25°C	2.0 Max.	± 2.0 dB	180 ± 10	3.0W Max.
SLBL21-5R500G-10-33T	50	100	3000~8000	1.5 dB Max.@25°C	2.3 Max.	± 2.5 dB	180 ± 20	3.0W Max.