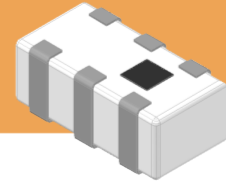


Multilayer Chip Balun – SLBL Series



Operating temp. : -40°C ~+85°C

- FEATURES**
- ◆ Small size, enable high density mounting
 - ◆ Low insertion loss, excellent amplitude and phase balance
 - ◆ Surface mount type, high reliability

- APPLICATIONS**
- ◆ Mobile communication equipment for LTE, 5G systems, etc.
 - ◆ Bluetooth, Wi-Fi, WLAN etc.

PRODUCT IDENTIFICATION

1 SLBL	2 18	3 -2R450G	4 -05	5 -31	6 T
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1 Type	
SLBL	Balun

2 External Dimensions (L×W) (mm)	
06 [0202]	0.6×0.5
15 [0402]	1.0×0.5
18 [0603]	1.6×0.8
21 [0805]	2.0×1.2

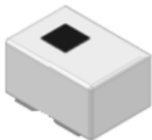
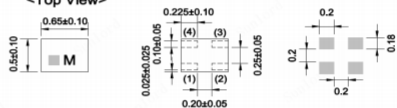


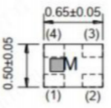
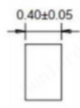
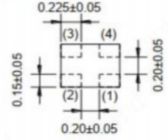
3 Center Frequency	
Example	Nominal Value
2R450G	2450.0MHz
5R400G	5400.0MHz

4 Balance Impedance	
05	50Ω
10	100Ω

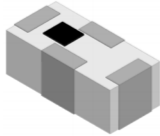
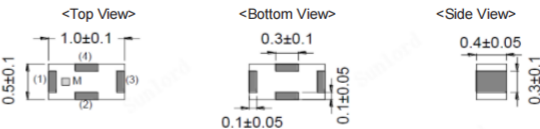
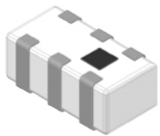
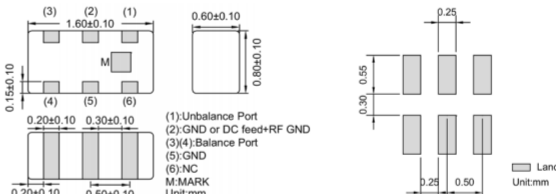
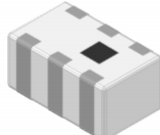
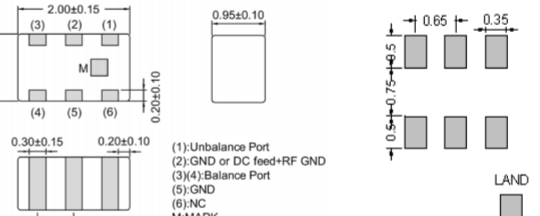
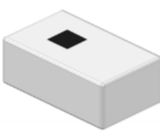
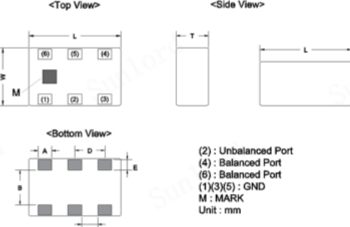
5 Series Code	
01,31 etc.	

6 Packing	
T	Tape Carrier Package

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 	<Top View> 	<Side View> 	<Bottom View>  (1) :GND (2) : Unbalanced Port (3) (4) : Balanced Port M : MARK Unit : mm

SHAPE AND DIMENSIONS

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

SPECIFICATIONS SLBL06 TYPE

Part Number	Unbalance Port Impedance	Balance Port Impedance	Frequency Range	Insertion Loss	Balance Port VSWR	Amplitude Difference	Phase Difference	Power Capacity
Units	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL06-0R770G-10-01T	50	100	698~960	0.6 Max. @25°C	2.0 Max.	3.0 Max.	180±10	500
SLBL06-1R900G-10-03T	50	100	1710~2200	0.6 Max. @25°C	2.0 Max.	3.0 Max.	180±15	500
SLBL06-2R500G-10-01T	50	100	2300~2700	0.55 Max. @25°C	2.0 Max.	2.5 Max.	180±10	500

SLBL15 TYPE

Part Number	Unbalance Port Impedance	Balance Port Impedance	Frequency Range	Insertion Loss	Balance Port VSWR	Amplitude Difference	Phase Difference	Power Capacity
Units	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL15-0R770G-10-31T	50	100	758~821	0.6 Max. @25°C	1.5 Max.	2.0 Max.	180±10	500
SLBL15-1R900G-10-31T	50	100	1805~2025	0.6 dB Max. @25°C	1.5 Max.	2.5 Max.	180±10	500

Multilayer Chip LC Filter
Multilayer Chip Balun
Multilayer Chip Diplexer
Multilayer Chip Triplexer
Multilayer Chip LC Coupler
Multilayer Chip Antenna
Wire Wound Chip Balun Transformer
Ceramic Dielectric Filter

SPECIFICATIONS SLBL18 TYPE

Part Number	Unbalance Port Impedance	Balance Port Impedance	Frequency Range	Insertion Loss	Balance Port VSWR	Amplitude Difference	Phase Difference	Power Capacity
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 \pm 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 \pm 15	3.0W Max.
SLBL18-2R450G-05-02T	50	50	2450 \pm 50	0.9 Max.@25°C 1.0 Max. @ -40 to +85°C	2.0 Max.	2.0 Max.	180 \pm 10	500
SLBL18-2R500G-05-31T	50	50	2300~2700	1.2 dB Max.@25°C	2.0 Max.	± 1.5 dB	180 \pm 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 \pm 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 \pm 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 \pm 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 \pm 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 \pm 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

Part Number	Unbalance Port Impedance	Balance Port Impedance	Frequency Range	Insertion Loss	Balance Port VSWR	Amplitude Difference	Phase Difference	Power Capacity
Units	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL21-2R400G-05-01T	50	50	2400 \pm 100	0.8 Max.@25°C 0.9 Max. @-40 to +85°C	2.0 Max.	2.0 Max.	180 \pm 10	500
SLBL21-0R800G-20-01T	50	200	800~2600	1.5 dB Max.@25°C	-	± 1.3 dB Max.	180 \pm 13	3.0W Max.
			700~2800	1.6 dB Max.@25°C		± 1.3 dB Max.	180 \pm 16.5	
SLBL21-0R900G-05-31T	50	50	800~1000	1.2 dB Max.@25°C	-	± 2.0 dB Max.	180 \pm 10	3.0W Max.
SLBL21-1R700G-10-31T	50	100	400~2500	3.0 dB Max.	-	± 1.4 dB Max.	180 \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 1.0 Max. @-40 to +85°C	2.0 Max.	2.0 Max.	180 \pm 10	500
			2650~3500	1.0 dB Max.@25°C	-	± 1.3 dB Max.	180 \pm 13	3W Max.
2000~4000	1.3 dB Max.@25°C	± 1.48 dB Max.	180 \pm 16.5					
SLBL21-5R400G-10-31T	50	100	4900~5900	1.0 dB Max.@25°C	2.0 Max.	± 2.0 dB	180 \pm 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 \pm 20	3.0W Max.