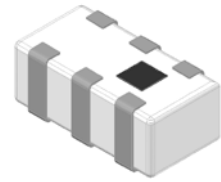


# Multilayer Chip Balun – SLBL Series

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.

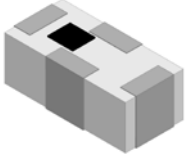
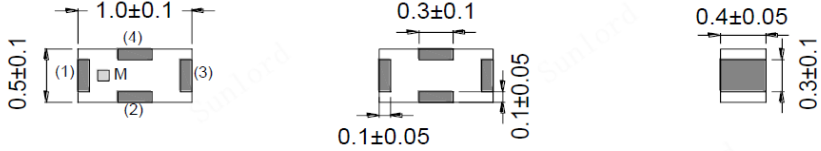
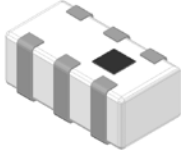
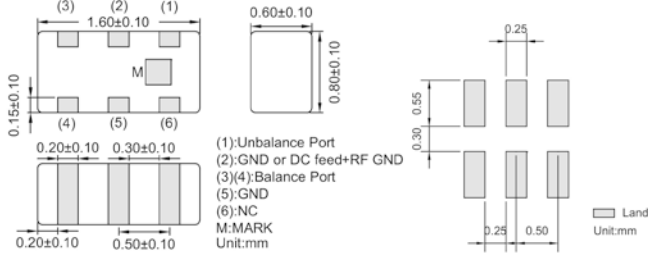
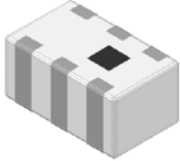
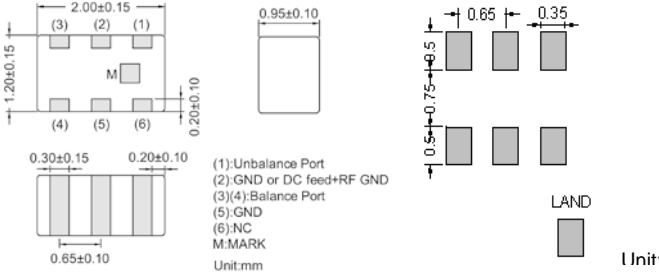
## PRODUCT IDENTIFICATION

SLBL	18	-2R450G	-05	-31	T																							
①	②	③	④	⑤	⑥																							
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## SHAPE AND DIMENSIONS

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

## SHAPE AND DIMENSIONS

Type: SLBL15 Series	Dimensions and Land Patterns
	<p>&lt;Top View&gt;                      &lt;Bottom View&gt;                      &lt;Side View&gt;</p>  <p>(1) : Balanced Port                  (2) : Unbalanced Port                  (3) : Balanced Port                  (4) : GND                  M : MARK                  Unit : mm</p>
Type: SLBL18 Series	Dimensions and Land Patterns
	 <p>(1):Unbalance Port                  (2):GND or DC feed+RF GND                  (3)(4):Balance Port                  (5):GND                  (6):NC                  M:MARK                  Unit:mm</p>
Type: SLBL21 Series	Dimensions and Land Patterns
	 <p>(1):Unbalance Port                  (2):GND or DC feed+RF GND                  (3)(4):Balance Port                  (5):GND                  (6):NC                  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	$\Omega$	$\Omega$	MHz	dB	-	dB	Deg.	mW
SLBL06-0R770G-10-01T	50	100	698~960	0.6 Max. at 25°C	2.0 Max.	3.0 Max.	180±10	500
SLBL06-1R900G-10-03T	50	100	1710~2200	0.6 Max. at 25°C	2.0 Max.	3.0 Max.	180±15	500
SLBL06-2R500G-10-01T	50	100	2300~2700	0.55 Max. at 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	$\Omega$	$\Omega$	MHz	dB	-	dB	Deg.	mW
SLBL15-0R770G-10-31T	50	100	758~821	0.6 Max. at 25 °C	1.5 Max.	2.0 Max.	180±10	500
SLBL15-1R900G-10-31T	50	100	1805~2025	0.6 dB Max. at 25 °C	1.5 Max.	2.5 Max.	180±10	500

## 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	$\Omega$	$\Omega$	MHz	dB	-	dB	Deg.	mW
SLBL18-1R500G-05-31T	50	50	699~960	1.4dB Max. at 25°C	2.0 Max.	$\pm 1.2$ dB	180 $\pm$ 10	3.0 W Max.
			1710~1995	1.3dB Max. at 25°C				
			2000~2700	1.5dB Max. at 25°C				
SLBL18-1R500G-10-32T	50	100	673~2700	1.7dB Max. at 25°C	2.45 Max.	$\pm 1.5$ dB	180 $\pm$ 15	3.0 W Max.
SLBL18-2R450G-05-02T	50	50	2450 $\pm$ 50	0.9 Max. at 25°C 1.0 Max. at -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. at 25°C	2.0 Max.	$\pm 1.5$ dB	180 $\pm$ 10	3.0 W Max.
SLBL18-2R500G-10-31T	50	100	2300~2700	1.2 dB Max. at 25°C	2.0 Max.	$\pm 1.5$ dB	180 $\pm$ 10	3.0 W Max.
SLBL18-3R600G-05-31T	50	50	3300~3900	1.2 dB Max. at 25°C	2.0 Max.	$\pm 1.5$ dB	180 $\pm$ 15	2.0 W Max.
SLBL18-3R600G-10-31T	50	100	3300~3900	1.0 dB Max. at 25°C	2.0 Max.	$\pm 1.2$ dB	180 $\pm$ 15	2.0 W Max.
SLBL18-4R500G-05-31T	50	50	3200~4000	1.1 dB Max. at 25°C	2.1 Max.	$\pm 1.2$ dB	180 $\pm$ 12	3.0 W Max.
			4000~5000	1.0 dB Max. at 25°C	2.0 Max.			
			5000~6000	1.0 dB Max. at 25°C	2.0 Max.			
SLBL18-4R500G-10-31T	50	100	3200~4000	1.1 dB Max. at 25°C	2.1 Max.	$\pm 1.2$ dB	180 $\pm$ 12	3.0 W Max.
			4000~5000	1.0 dB Max. at 25°C	2.0 Max.			
			5000~6000	1.0 dB Max. at 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	$\Omega$	$\Omega$	MHz	dB	-	dB	Deg.	mW
SLBL21-2R400G-05-01T	50	50	2400 $\pm$ 100	0.8 Max. at 25°C	2.0 Max.	2.0 Max.	180 $\pm$ 10	500
				0.9 Max. at -40 to +85°C				
SLBL21-2R400G-10-01T	50	100	2400 $\pm$ 100	0.9 Max. at 25°C	2.0 Max.	2.0 Max.	180 $\pm$ 10	500
				1.0 Max. at -40 to +85°C				
SLBL21-5R400G-10-31T	50	100	4900~5900	1.0 dB Max. at 25°C	2.0 Max.	$\pm 2.0$ dB	180 $\pm$ 10	3.0 W Max.
SLBL21-5R500G-10-33T	50	100	3000~8000	1.5 dB Max. at 25°C	2.3 Max.	$\pm 2.5$ dB	180 $\pm$ 20	3.0 W Max.