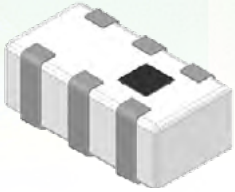
Multilayer Chip Balun - SLBL Series

Operating Temp. : -40℃ ~+85℃



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

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

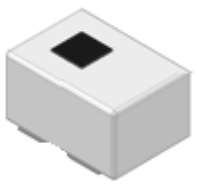
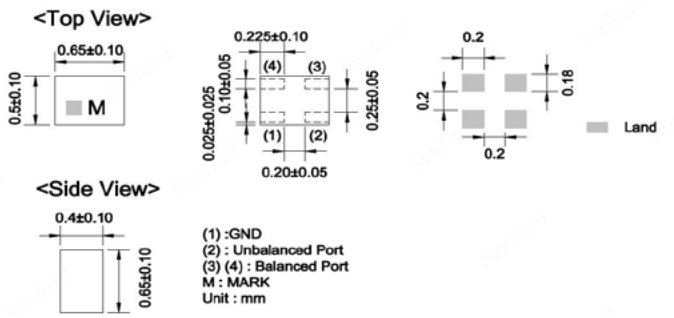
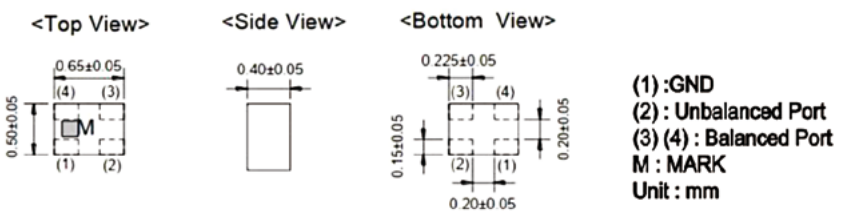
⑤

Series Code
01,31 etc.

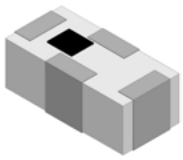
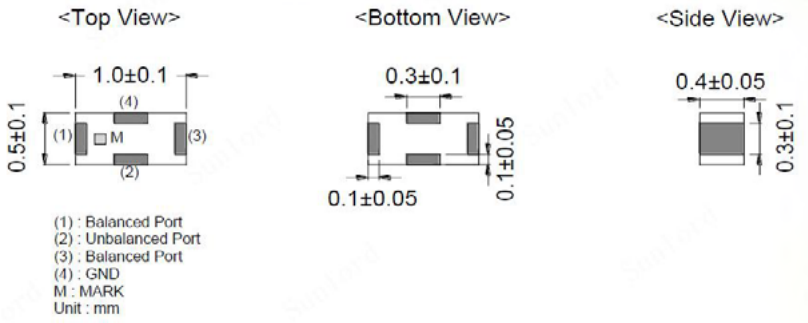
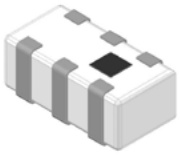
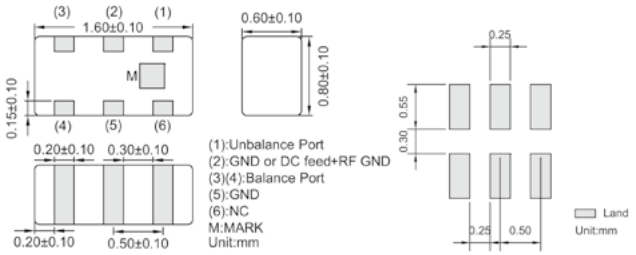
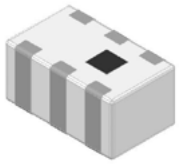
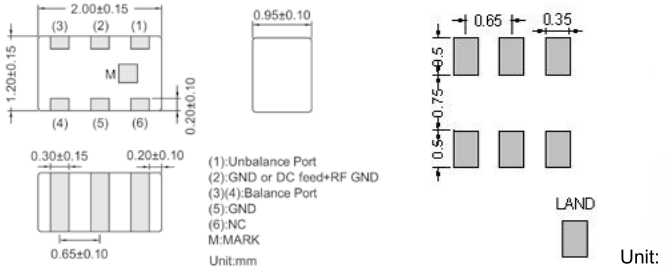
⑥

Packing	
T	Tape Carrier Package

SHAPE AND DIMENSIONS

Type: SLBL06 Series	Dimensions and Land Patterns
	
SLBL06-1R900G-10-03T	Dimensions and Land Patterns
	

SHAPE AND DIMENSIONS

Type: SLBL15 Series	Dimensions and Land Patterns
	
Type: SLBL18 Series	**Dimensions and Land Patterns**
	
Type: SLBL21 Series	**Dimensions and Land Patterns**
	

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	0.6dB Max. at 25°C	2.0Max.	3.0Max.	180±10	500
SLBL06-1R900G -10-03T	50	100	1710~2200	0.6dB Max. at 25°C	2.0Max.	3.0Max.	180±15	500
SLBL06-2R500G -10-01T	50	100	2300~2700	0.55dB Max. at 25°C	2.0Max.	2.5Max.	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	0.6dB Max. at 25°C	1.5Max.	2.0Max.	180±10	500
SLBL15-1R900G -10-31T	50	100	1805~2025	0.6dB Max. at 25°C	1.5Max.	2.5Max.	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	Ω	Ω	MHz	dB	-	dB	Deg.	mW
SLBL18-1R500G-05-31T	50	50	699~960	1.4dB Max. at 25°C	2.0Max.	±1.2dB	180±10	3.0W 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	2.45Max.	±1.5dB	180±15	3.0W Max.
SLBL18-2R450G-05-02T	50	50	2450±50	0.9dB Max. at 25°C 1.0dB Max.at -40 to +85°C	2.0Max.	2.0dB Max.	180±10	500
SLBL18-2R500G-05-31T	50	50	2300~2700	1.2dB Max. at 25°C	2.0Max.	±1.5dB	180±10	3.0W Max.
SLBL18-2R500G-10-31T	50	100	2300~2700	1.2dB Max. at 25°C	2.0Max.	±1.5dB	180±10	3.0W Max.
SLBL18-3R600G-05-31T	50	50	3300~3900	1.2dB Max. at 25°C	2.0Max.	±1.5dB	180±15	2.0W Max.
SLBL18-3R600G-10-31T	50	100	3300~3900	1.0dB Max. at 25°C	2.0Max.	±1.2dB	180±15	2.0W Max.
SLBL18-4R500G-05-31T	50	50	3200~4000	1.1dB Max. at 25°C	2.1Max.	±1.2dB	180±12	3.0W Max.
			4000~5000	1.0dB Max. at 25°C	2.0Max.			
			5000~6000	1.0dB Max. at 25°C	2.0Max.			
SLBL18-4R500G-10-31T	50	100	3200~4000	1.1dB Max. at 25°C	2.1Max.	±1.2dB	180±12	3.0W Max.
			4000~5000	1.0dB Max. at 25°C	2.0Max.			
			5000~6000	1.0dB Max. at 25°C	2.0Max.			

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±100	0.8dB Max. at 25°C 0.9dB Max. at -40 to +85°C	2.0Max.	2.0dB Max.	180±10	500
SLBL21-2R400G-10-01T	50	100	2400±100	0.9dB Max. at 25°C 1.0dB Max.at -40 to +85°C	2.0Max.	2.0dB Max.	180±10	500
SLBL21-5R400G-10-31T	50	100	4900~5900	1.0dB Max. at 25°C	2.0Max.	±2.0dB	180±10	3.0W Max.
SLBL21-5R500G-10-33T	50	100	3000~8000	1.5dB Max. at 25°C	2.3Max.	±2.5dB	180±20	3.0W Max.