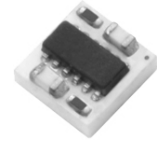


Dual Band Antenna Switch Module – SLASM V4 Series

Operating Temp. : -40°C~+85°C



FEATURES

- Small and low profile, high integration
- Low insertion loss, high attenuation, high isolation
- Excellent solderability

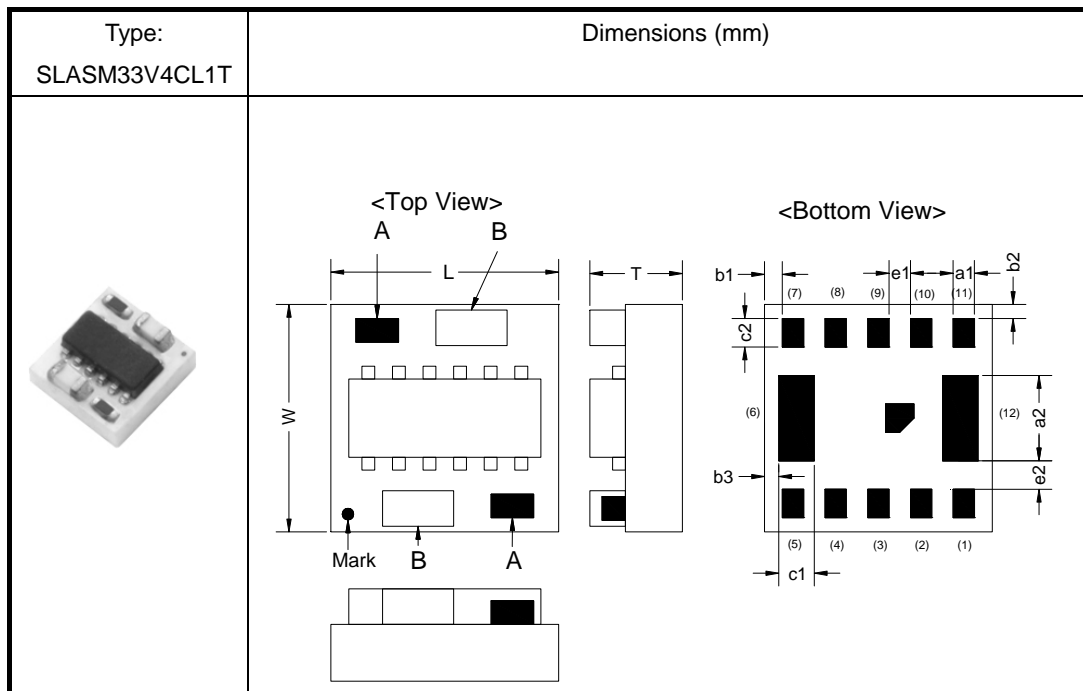
APPLICATIONS

- GSM850 or 900/1800 or 1900 mobile communication system

PRODUCT IDENTIFICATION

<u>SLASM</u> ①	<u>33</u> ②	<u>V4</u> ③	<u>CL1</u> ④	<u>T</u> ⑤												
①	②	③														
<table border="1" style="width: 100%;"> <tr> <th colspan="2">Type</th> </tr> <tr> <td>SLASM</td> <td>Antenna Switch Module</td> </tr> </table>	Type		SLASM	Antenna Switch Module	<table border="1" style="width: 100%;"> <tr> <th colspan="2">External Dimensions (LxW) (mm)</th> </tr> <tr> <td>33 [1212]</td> <td>3.2x3.2</td> </tr> </table>	External Dimensions (LxW) (mm)		33 [1212]	3.2x3.2	<table border="1" style="width: 100%;"> <tr> <th colspan="2">Internal Code</th> </tr> <tr> <td colspan="2">V4</td> </tr> </table>			Internal Code		V4	
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Material Code																
CL1																
Packing																
T	Tape & Reel															

SHAPE AND DIMENSIONS



SHAPE AND DIMENSIONS

Mark	Meaning
A	Resistor (Black)
B	Inductor (White)

Unit: mm

Mark	Dimensions	Mark	Dimensions	Mark	Dimensions
L	3.2±0.2	a2	1.2±0.1	c1	0.5±0.1
W	3.2±0.2	b1	0.25±0.20	c2	0.4±0.1
T	1.4Max	b2	0.2±0.2	e1	0.3±0.1
a1	0.3±0.1	b3	0.2±0.2	e2	0.4±0.1

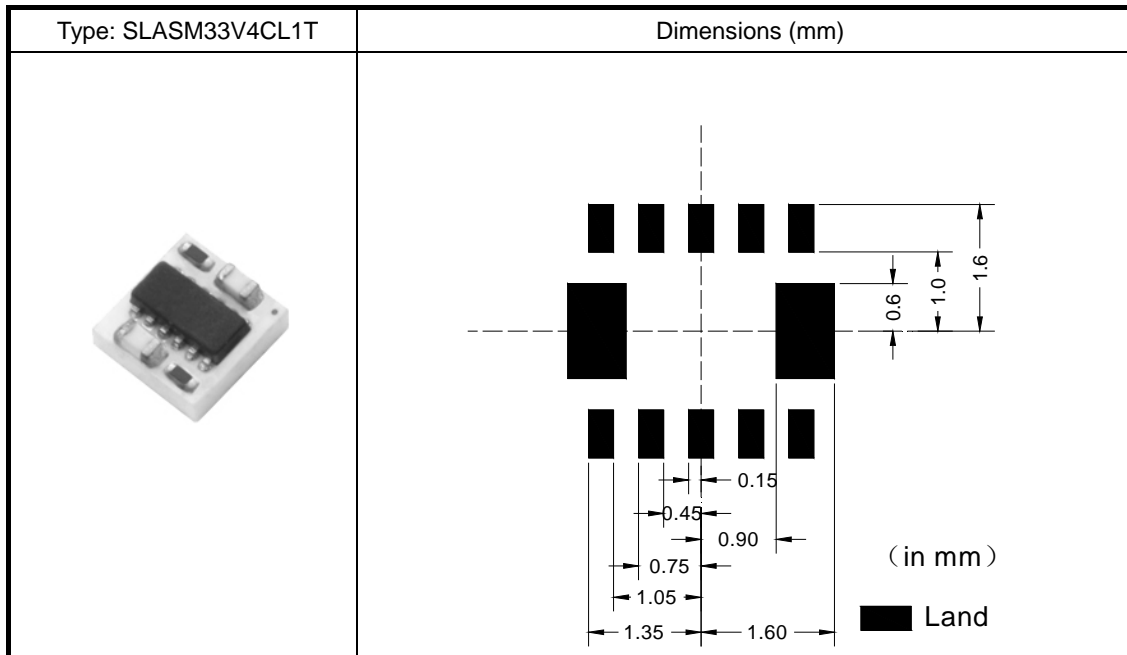
TERMINAL CONFIGUTATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	GSM1800/1900-Rx	(7)	GSM850/900-Tx
(2)	NC	(8)	GND
(3)	GSM850/900-Rx	(9)	ANT
(4)	VC1	(10)	VC2
(5)	GSM1800/1900-Tx	(11)	NC
(6)	GND	(12)	GND

SWITCH LOGIC TABLE

Mode	VC1	VC2
GSM850/900-Rx, GSM1800/1900-Rx	0~0.1V	0~0.1V
GSM850/900-Tx	2.4~2.8V	0~0.1V
GSM1800/1900-Tx	0~0.1V	2.4~2.8V
Current consumption when active	Max: 10mA	Max: 10mA

LAND PATTERN



SPECIFICATIONS

GSM850/900 (MHz) Band			
Tx Mode	Frequency Range (MHz)	Fat1	836.50±12.50
		Fgt1	897.50±17.50
	Insertion Loss (dB)	Tx-ANT	1.55 Max.
	Ripple (dB)	Tx-ANT	0.50 Max.
	Attenuation (dB)	Tx-ANT	25.0 Min. at 2×Fgt1, 2×Fat1 MHz
		Tx-ANT	25.0 Min. at 3×Fgt1, 3×Fat1 MHz
	VSWR	Tx, ANT	2.00 Max.
	Isolation (dB)	Tx-GSM850/900Rx	20.0 Min.
		Tx-GSM1800/1900Rx	20.0 Min.
	Current Consumption (mA)		10.0 Max.
Harmonics (dBc)	Tx-ANT	-70.0 Max. at 2×Fgt1, 2×Fat1 MHz	
	Tx-ANT	-70.0 Max. at 3×Fgt1, 3×Fat1 MHz	
Power Capacity (dBm)		35.0 Max.	
Rx Mode	Frequency Range (MHz)	Far1	881.50±12.50
		Fgr1	942.50±17.50
	Insertion Loss (dB)	ANT-Rx	1.25 Max.
	Ripple (dB)	ANT-Rx	0.50 Max.
	VSWR	ANT, Rx	2.00 Max.
Isolation (dB)	Tx-Ant	20.0 Min.	

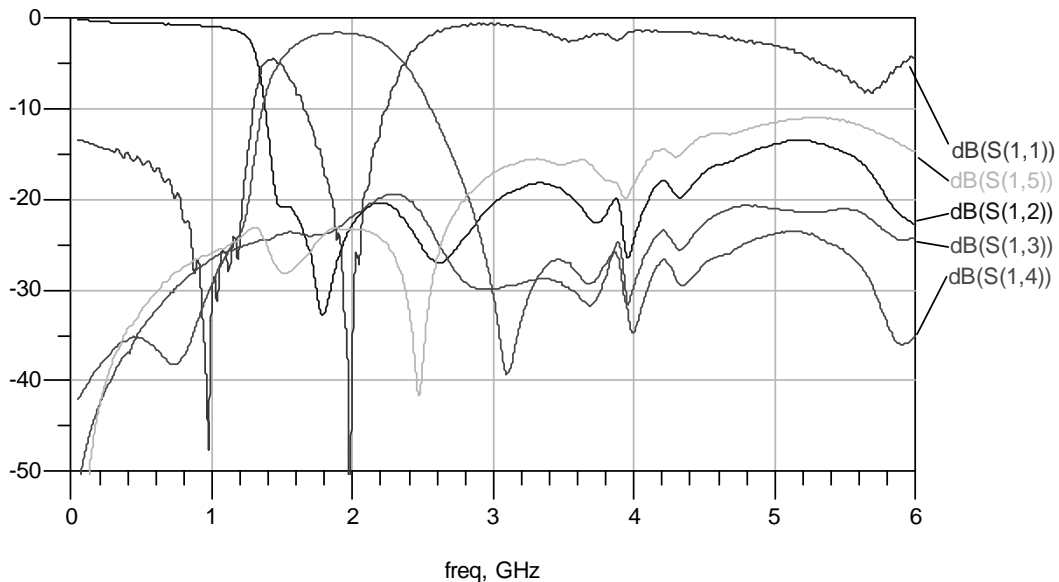
SPECIFICATIONS

GSM1800/1900 (MHz) Band			
Tx Mode	Frequency Range (MHz)	Fdth	1747.50±37.50
		Fpth	1880.00±30.00
	Insertion Loss (dB)	Tx-ANT	1.90 Max.
	Ripple (dB)	Tx-ANT	0.50 Max.
	Attenuation (dB)	Tx-ANT	23.0 Min. at 2×Fdth, 2×Fpth MHz
		Tx-ANT	23.0 Min. at 3×Fdth, 3×Fpth MHz
	VSWR	Tx, ANT	2.00 Max.
	Isolation (dB)	Tx-GSM850/900Rx	20.0 Min.
		Tx-GSM1800/1900Rx	20.0 Min.
	Current Consumption (mA)		10.0 Max.
Harmonics (dBc)	Tx-ANT	-67.0 Max. at 2×Fdth, 2×Fpth MHz	
	Tx-ANT	-67.0 Max. at 3×Fdth, 3×Fpth MHz	
Power Capacity (dBm)		33.0 Max.	
Rx Mode	Frequency Range (MHz)	Fdrh	1842.50±37.50
		Fprh	1960.00±30.00
	Insertion Loss (dB)	ANT-Rx	1.65 Max.
	Ripple (dB)	ANT-RX	0.50 Max.
	VSWR	ANT, Rx	2.00 Max.
Isolation (dB)	Tx-Ant	20.0 Min.	

DETAIL ELECTRICAL CHARACTERISTICS

1. GSM850/900 Band and GSM1800/1900 Band, RX_Mode

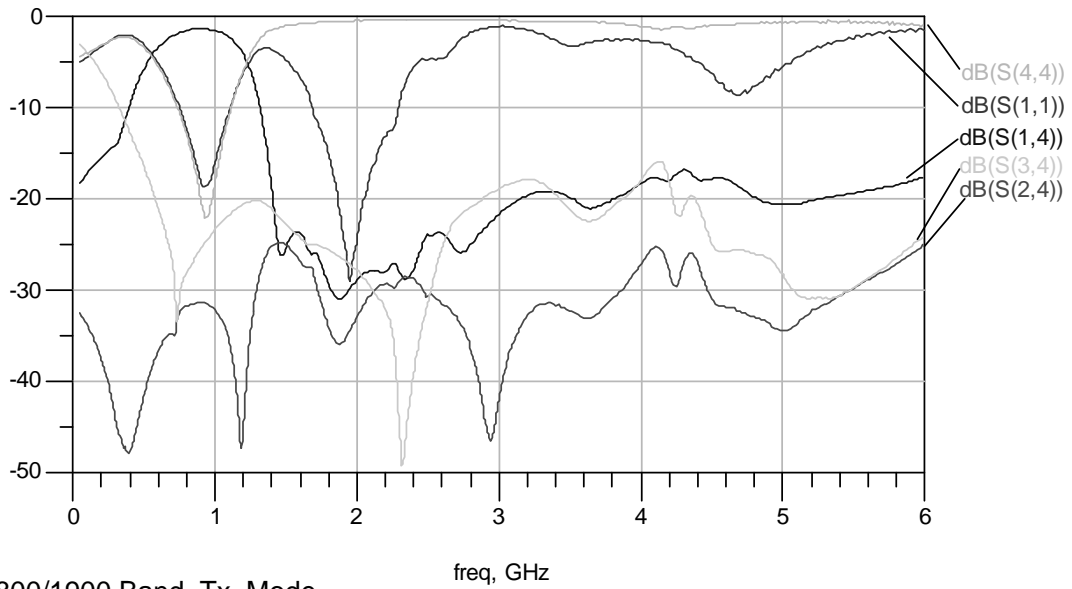
(port1: Ant, por2: GSM850/900 Rx, por3: GSM1800/1900 Rx, por4: GSM1800/1900 Tx, por5: GSM850/900 Tx)



DETAIL ELECTRICAL CHARACTERISTICS

2. GSM850/900 Band, Tx_Mode

(port1: Ant, por2: GSM1800/1900 Rx, por3: GSM850/900 Rx, por4: GSM850/900 Tx)



3. GSM1800/1900 Band, Tx_Mode

(port1: Ant, por2: GSM850/900 Rx, por3: GSM1800/1900 Rx, por4: GSM1800/1900 Tx)

