



APPROVAL SHEET

Approval Specification	Customer's Approval Certificate
TO:	Please return this copy as a certification of your approval
Part No.:	Checked & Approved by:
Customer's Part No.:	Date:

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Part No.	:	SDL445-12
Pages	:	4
Date	:	2017/3/6
Revision	:	1.0

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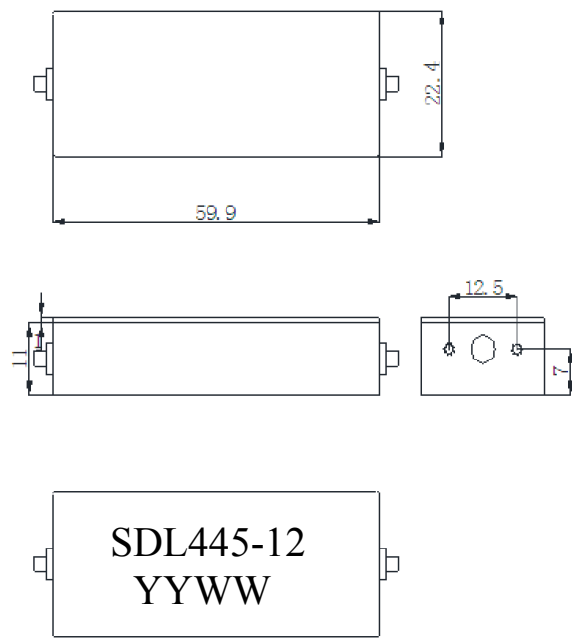
Application

- High-loss SAW component
- Low amplitude ripple
- Sharp rejections at both out-bands
- Passband 20 MHz

Features

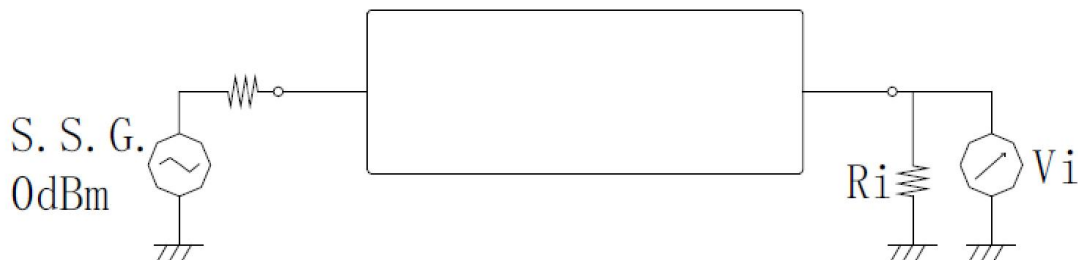
- **RoHS** compatible
- Package size 59.9x22.4x11.0mm³
- Package Code MXSS6023-P2BA
- **Electrostatic Sensitive Device(ESD)**

Package Dimensions (Unit: mm)



Connected By SMA-K

Test Circuit



Marking Description

S	Trademark
DL	Delay Line
445-12	Part Number
YYWW	Year Code & Week Code

*Fig: If the products produced in 06th week of 2012,
The year code & week code is 1206.

Performance

Maximum Rating

Item		Value	Unit
DC Voltage	V _{DC}	3	V
Operation Temperature	T	-40 ~ +70	°C
Storage Temperature	T _{stg}	-55 ~ +85	°C
RF Power Dissipation	P	10	dBm

Electronic Characteristics

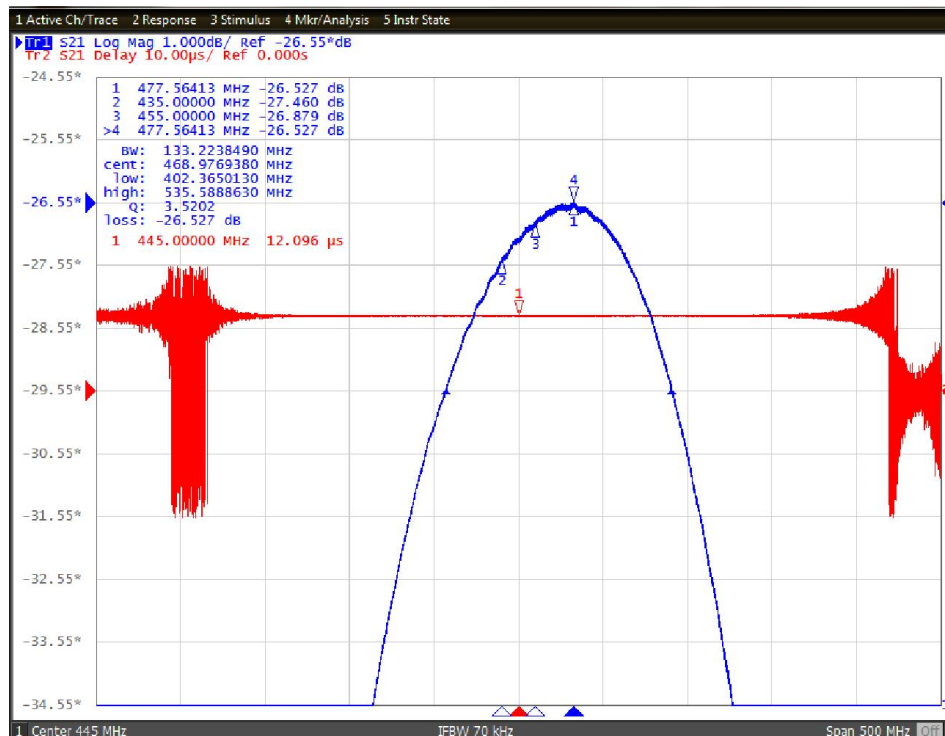
Test Temperature: 25°C ± 2°C

Terminating source impedance: 50Ω

Terminating load impedance: 50Ω

Item		Minimum	Typical	Maximum	Unit
Center Frequency	f _c		445.0		MHz
Insertion Loss(min)	IL		26.6	40.0	dB
3dB Bandwidth	BW _{3dB}	20	133		MHz
Absolute Delay	AD		12		us
	@445.0MHz				

Frequency Characteristics



Notes

1. As a result of the particularity of inner structure of SAW products, it easy to be breakdown by electrostatic, so we should pay attention to **ESD protect** in the test.
2. **Static voltage** between signal load and ground may cause deterioration and destruction of the component. Please avoid static voltage.
3. **Ultrasonic cleaning** may cause deterioration and destruction of the component. Please avoid ultrasonic cleaning.
4. Only leads of component may **be soldered**. Please avoid soldering another part of component.
5. There is a close relationship between the device's performance and **matching network**. The specifications of this device are based on the test circuit shown above. L and C values may change depending on board layout. Values shown are intended as a guide only.