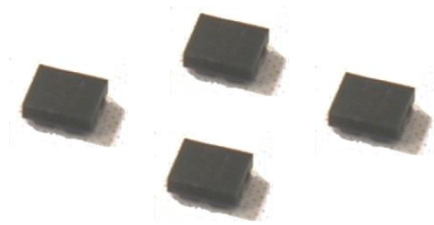
Data Sheet of SAW Components

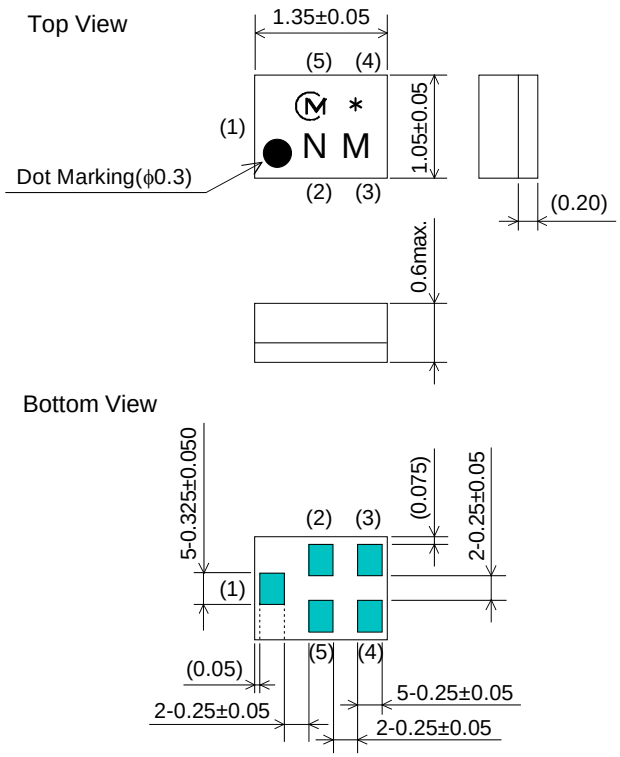


Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.
Please also read caution at the end of this document.

SAW FILTER FOR J-CDMA (Rx)

Murata part number : SAFEB856MCM0F00

Package Dimensions



Marking
: Laser Printing

(1) : Unbalance Port
(3)(4) : Balance Port
Others : Ground

Unit : mm

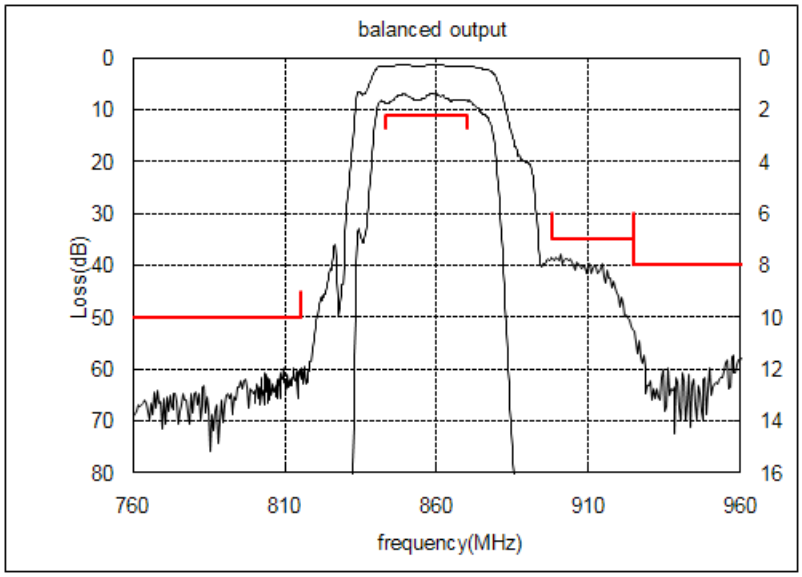
Specification

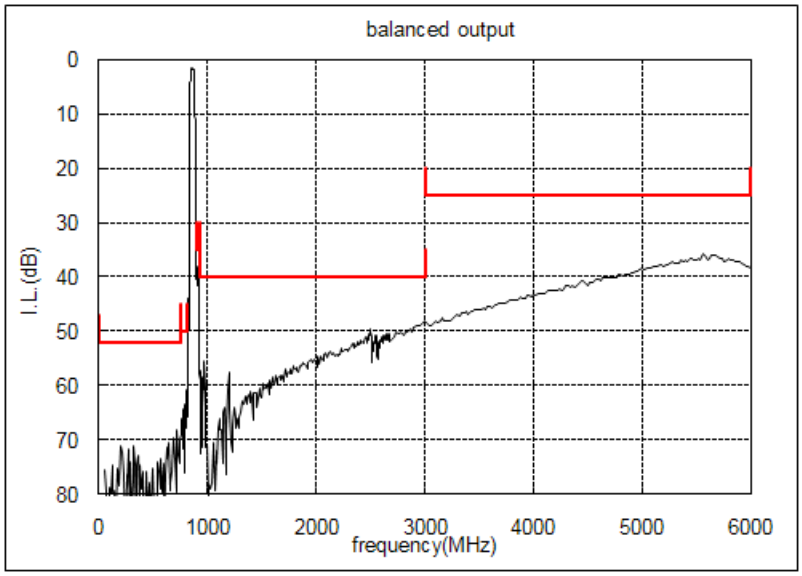
Item	Specification	
	-30 to +85°C	typ.
Nominal Center Frequency(fc)	856.5 MHz	
Insertion Loss (843 to 870MHz)	2.2 dB max.	1.7 dB
Absolute Attenuation		
1) 0.1 to 750 MHz	52 dB min.	64 dB
2) 750 to 815 MHz	50 dB min.	59 dB
3) 898 to 925 MHz	35 dB min.	38 dB
4) 925 to 3000 MHz	40 dB min.	50 dB
5) 3000 to 6000 MHz	25 dB min.	37 dB
Ripple Deviation (843 to 870MHz)	1.2 dB max.	0.4 dB
VSWR (843 to 870MHz)	2.0 max.	1.6
Amplitude Balance (843 to 870MHz)	±1.0dB max.	±0.2dB
Phase Balance (843 to 870MHz)	180±10deg. max.	180±1.2deg.
Balance Port Matching Impedance (nominal)	100Ω	
Unbalance Port Matching Impedance (nominal)	50Ω	
Input Signal Level	31.6mW (+15dBm), 2000 hours	

SAW FILTER FOR J-CDMA (Rx)

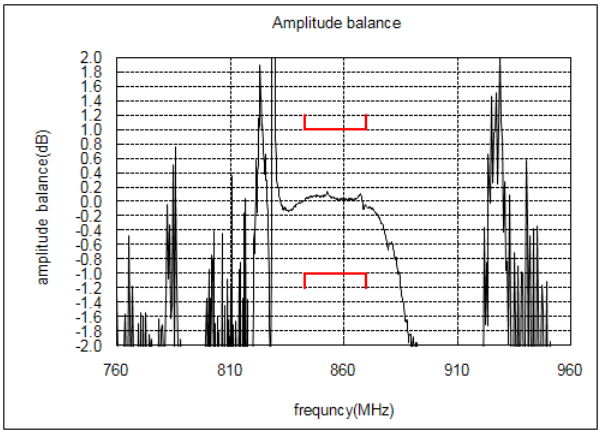
Murata part number : SAFEB856MCM0F00

Frequency Performance

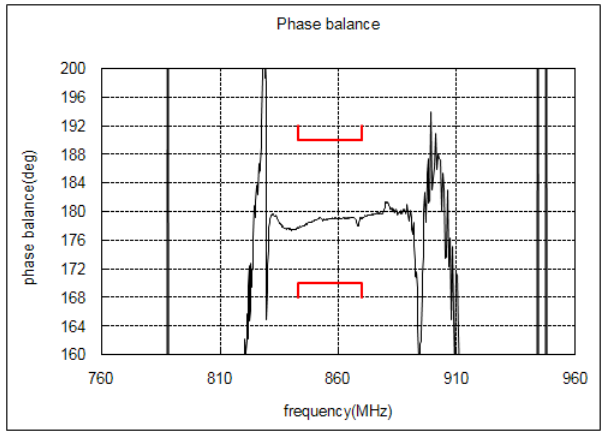




Amplitude balance



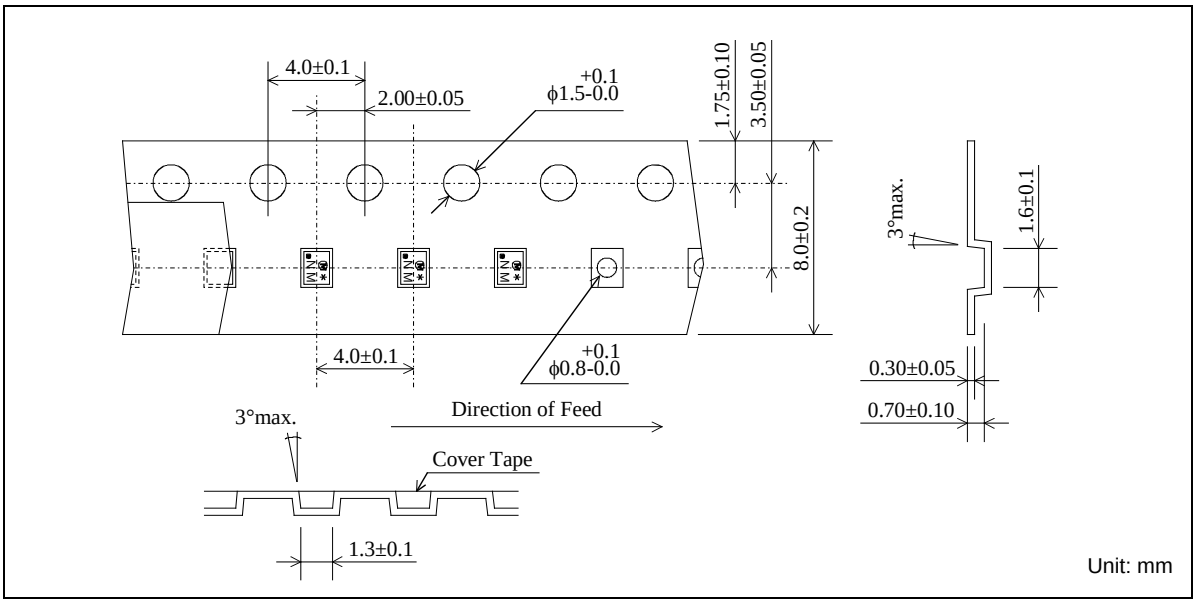
Phase balance



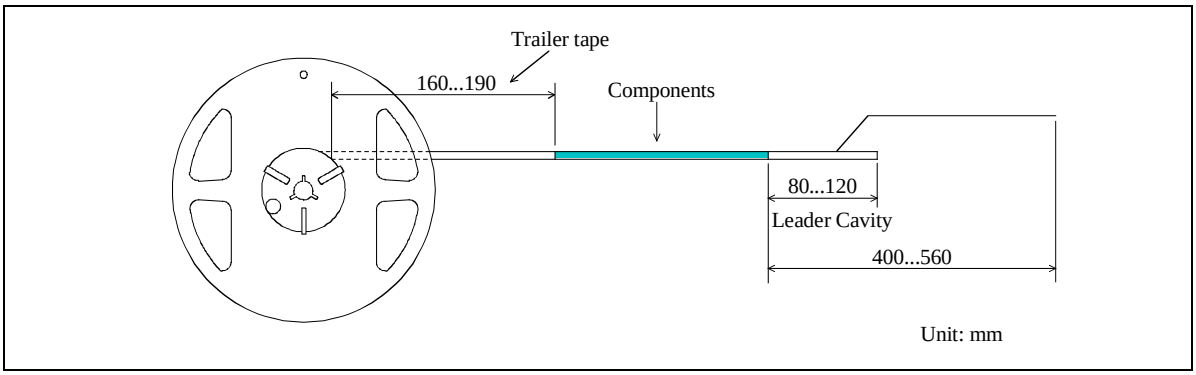
SAW FILTER FOR J-CDMA (Rx)

Murata part number : SAFEB856MCM0F00

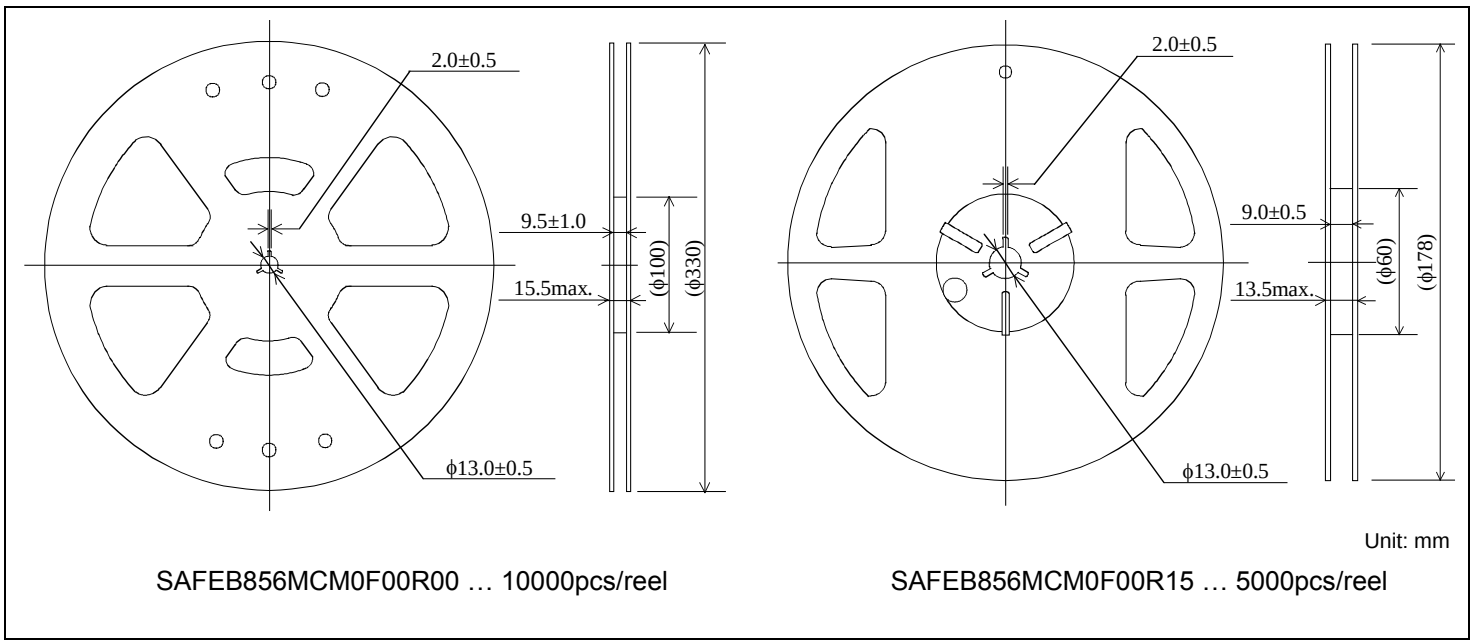
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



SAFEB856MCM0F00R00 … 10000pcs/reel

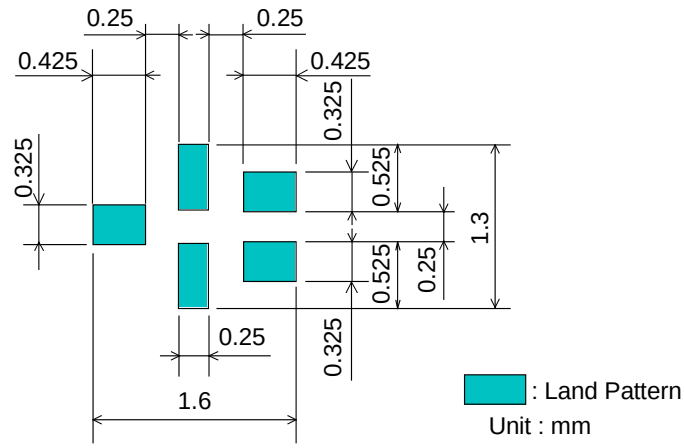
SAFEB856MCM0F00R15 … 5000pcs/reel

SAW FILTER FOR J-CDMA (Rx)

Murata part number : SAFEB856MCM0F00

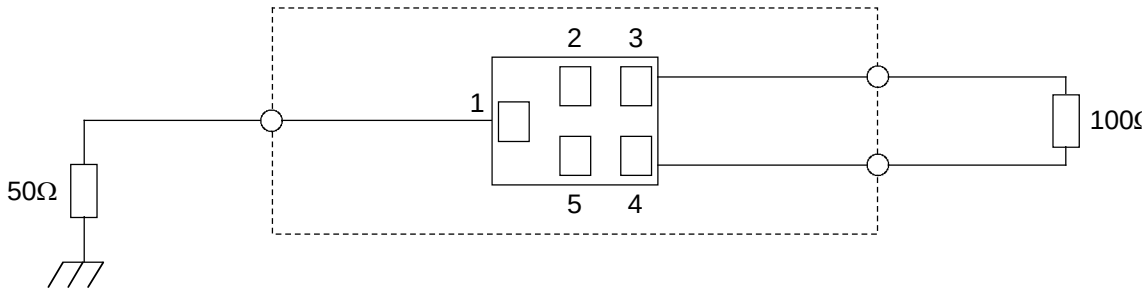
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR J-CDMA (Rx)

Murata part number : SAFEB856MCM0F00

■ RoHS Compliance

This component is compliant with RoHS directive.

This component was always RoHS compliant from the first date of manufacture.

・Caution - Limitation of Applications
This product is intended for the following applications only; however, please do not use this product in these applications where defects might directly cause damage to a third party's life, body or property.

a. Mobile Telephone
b. Cordless phone (except for Automotive use)
c. PC (Including Notebook PC, Netbook PC, Tablet)
d. Game
e. Camera (except for Business/security use)
f. Set Top Box
g. Electronic dictionary
h. Digital audio equipment

・This catalog is for reference only and not an official product specification document, therefore, please review and approve our official product specification before ordering this product.