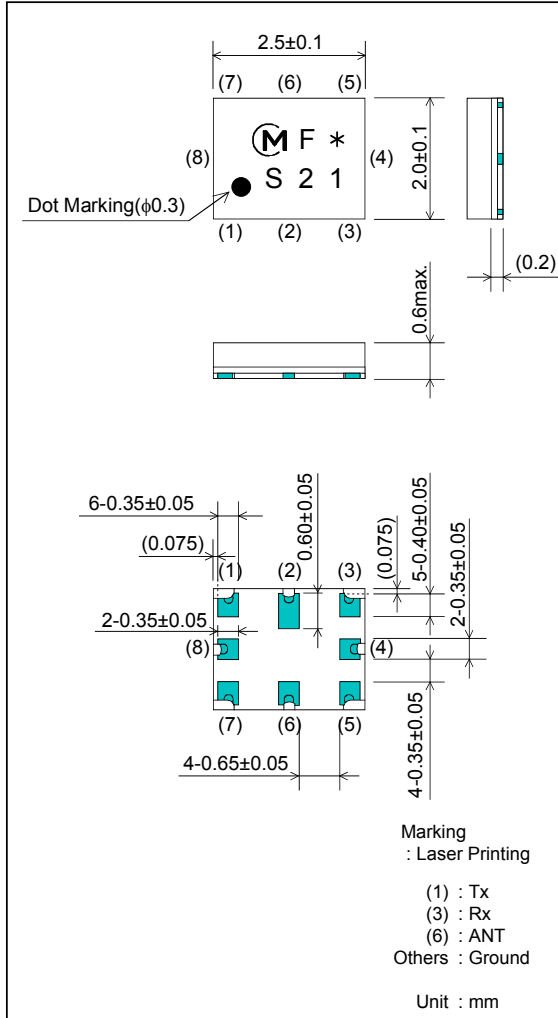


SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [Tx →ANT]

Package Dimensions



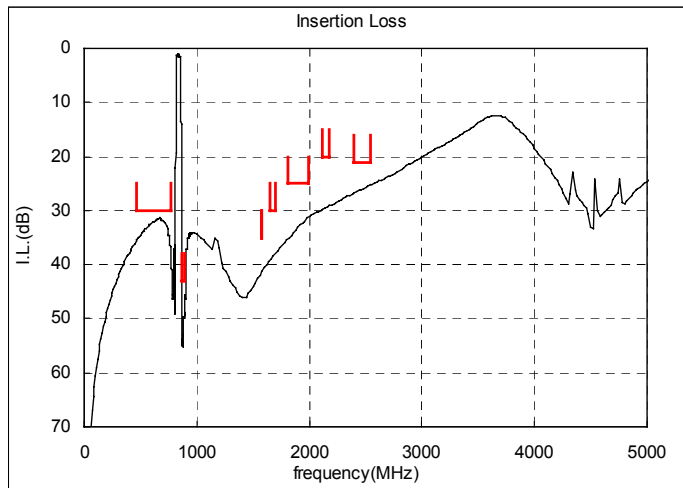
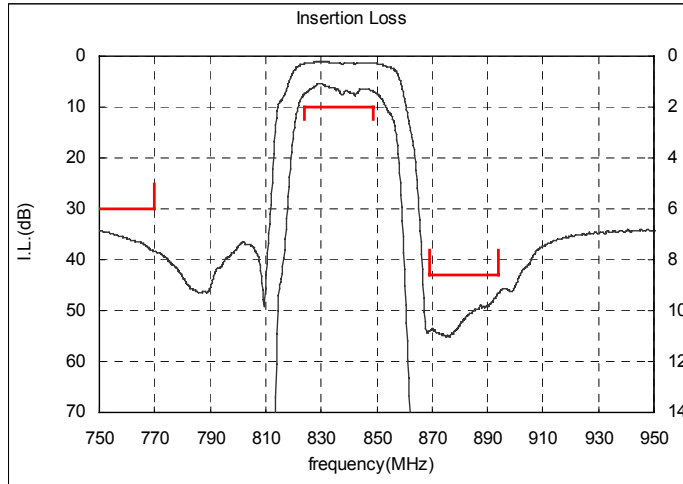
Specification

Item	Target Specification	
	-30 to 85°C	typ.
Nominal Center Frequency(fc)	836.5MHz	
Insertion Loss (824 to 849MHz)	2.0 dB max.	1.5 dB
Absolute Attenuation		
1) 470 to 770 MHz	30 dB min.	32 dB
2) 869 to 894 MHz	43 dB min.	47 dB
3) 1573 to 1577 MHz	35 dB min.	41 dB
4) 1648 to 1698 MHz	30 dB min.	38 dB
5) 1805 to 1990 MHz	25 dB min.	34 dB
6) 2110 to 2170 MHz	20 dB min.	29 dB
7) 2400 to 2547 MHz	21 dB min.	26 dB
Ripple Deviation (824 to 849MHz)	1.0 dB max.	0.5 dB
VSWR (824 to 849MHz)	2.0 max.	1.8
ANT Port Matching Impedance(normal)	50Ω//9.1nH	
Tx Port Matching Impedance(normal)	50Ω	
Rx Port Matching Impedance(normal)	50Ω	
Input Signal Level	1.0W, 50000 hours (50°C)	

SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [Tx→ANT]

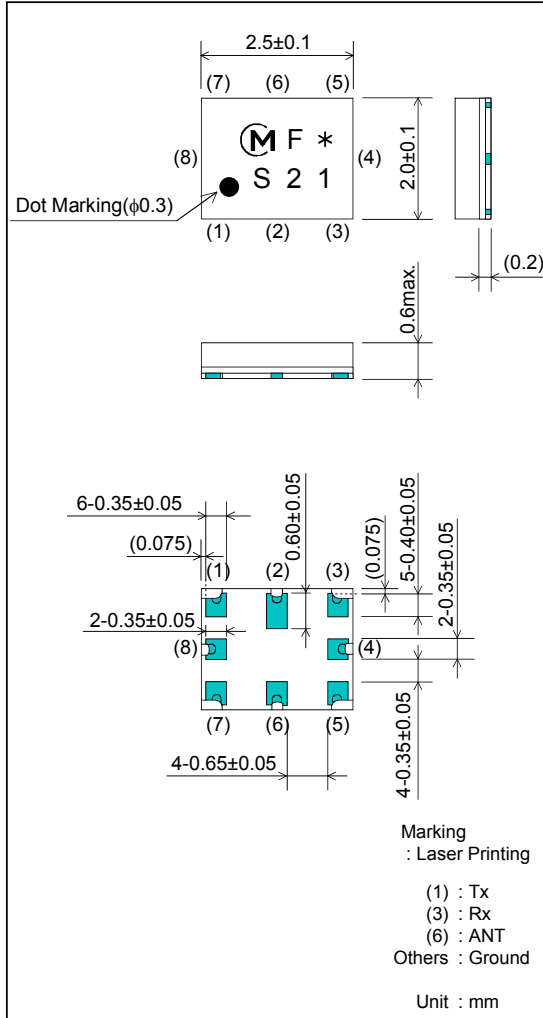
■ Frequency Performance



SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [ANT→Rx]

Package Dimensions



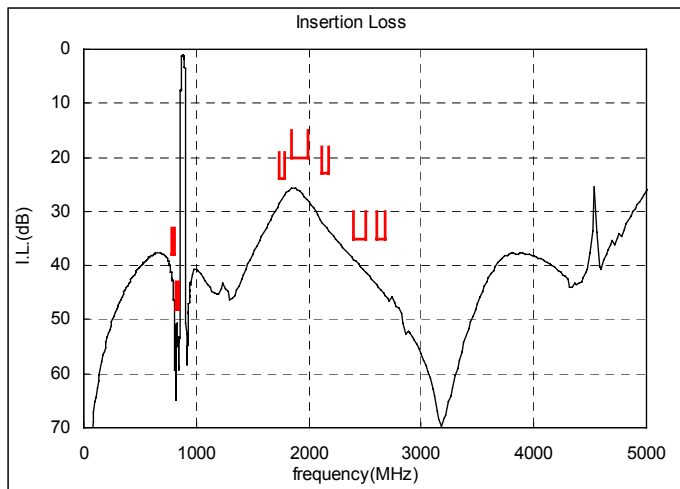
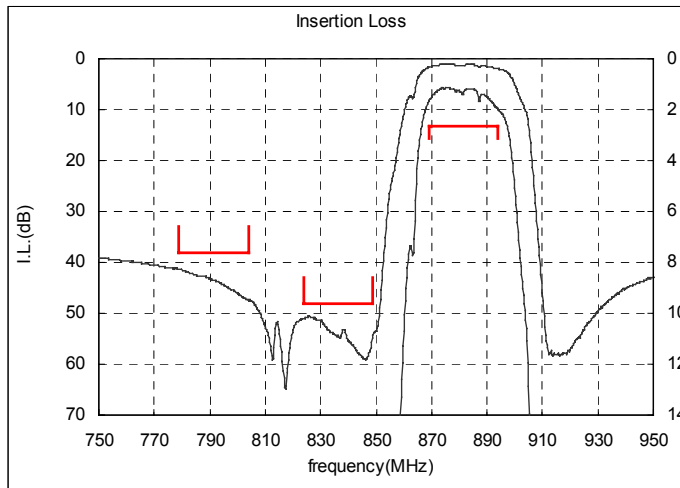
Specification

Item	Target Specification	
	-30 to 85°C	typ.
Nominal Center Frequency(f_c)	881.5MHz	
Insertion Loss (869 to 894MHz)	2.65 dB max.	2.0 dB
Absolute Attenuation		
1) 779 to 804 MHz	38 dB min.	41 dB
2) 824 to 849 MHz	48 dB min.	51 dB
3) 1738 to 1788 MHz	24 dB min.	27 dB
4) 1850 to 1990 MHz	20 dB min.	26 dB
5) 2110 to 2170 MHz	23 dB min.	32 dB
6) 2400 to 2500 MHz	30 dB min.	39 dB
7) 2607 to 2682 MHz	30 dB min.	44 dB
Ripple Deviation (869 to 894MHz)	1.5 dB max.	0.7 dB
VSWR (869 to 894MHz))	2.0 max.	1.6
ANT Port Matching Impedance(normal)	$50\Omega // 9.1\text{nH}$	
Tx Port Matching Impedance(normal)	50Ω	
Rx Port Matching Impedance(normal)	50Ω	

SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [ANT→Rx]

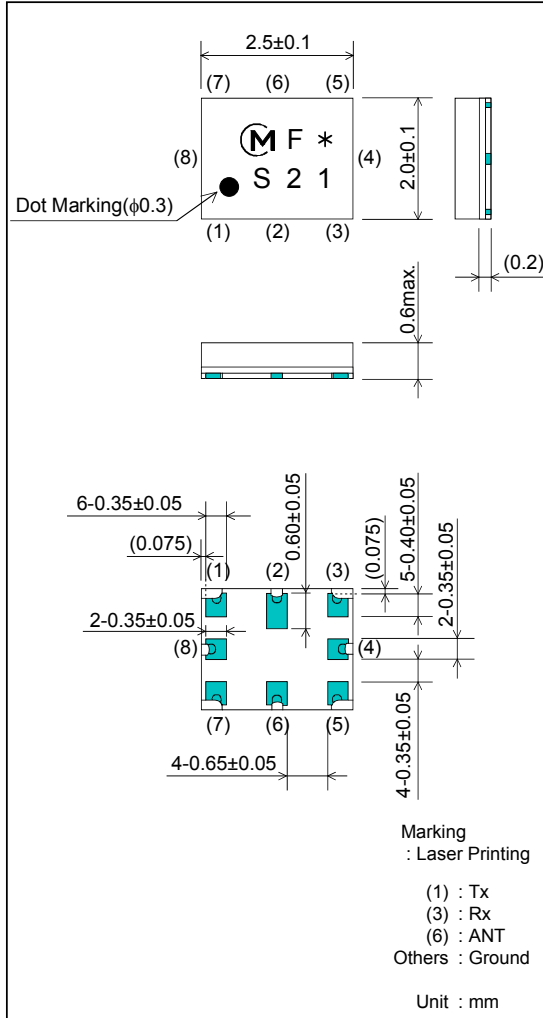
■ Frequency Performance



SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [Tx→Rx]

Package Dimensions



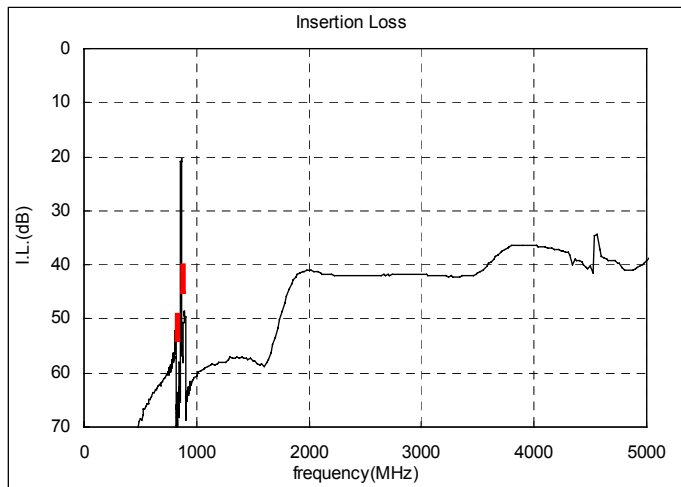
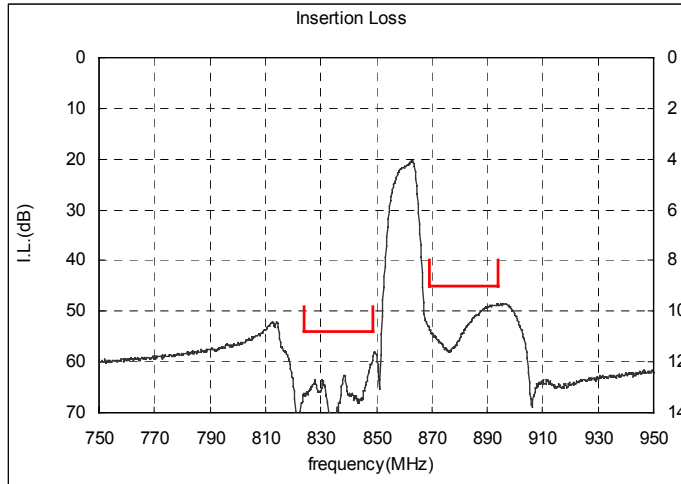
Specification

Item	Target Specification	
	-30 to 85°C	typ.
Absolute Attenuation		
1) 824 to 849 MHz	54 dB min.	59 dB
2) 869 to 894 MHz	45 dB min.	49 dB

SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [Tx→Rx]

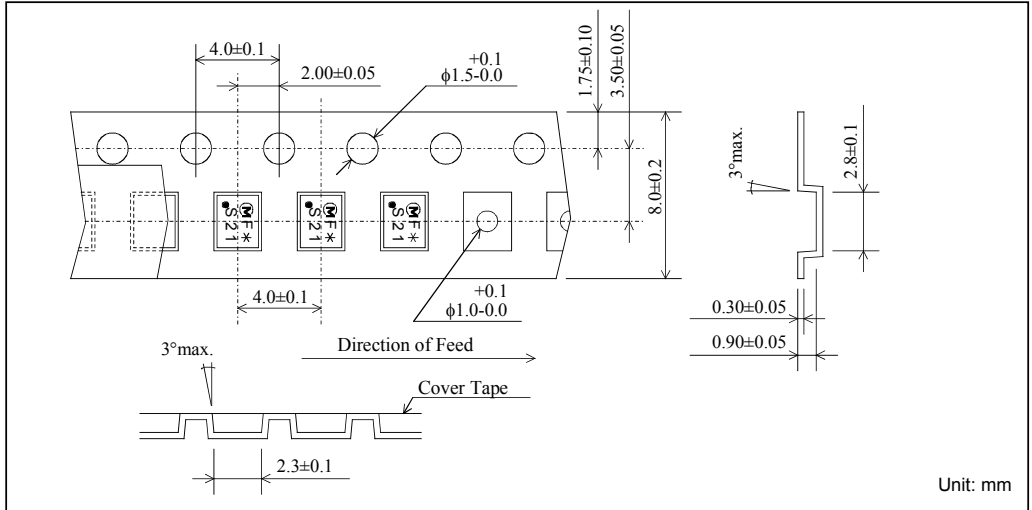
■ Frequency Performance



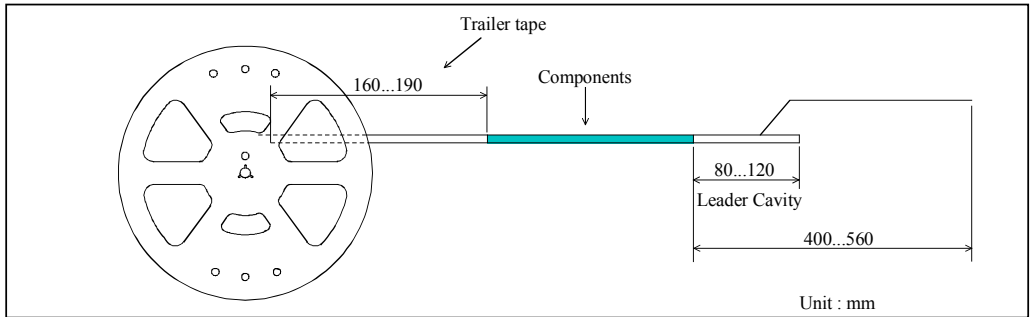
SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00

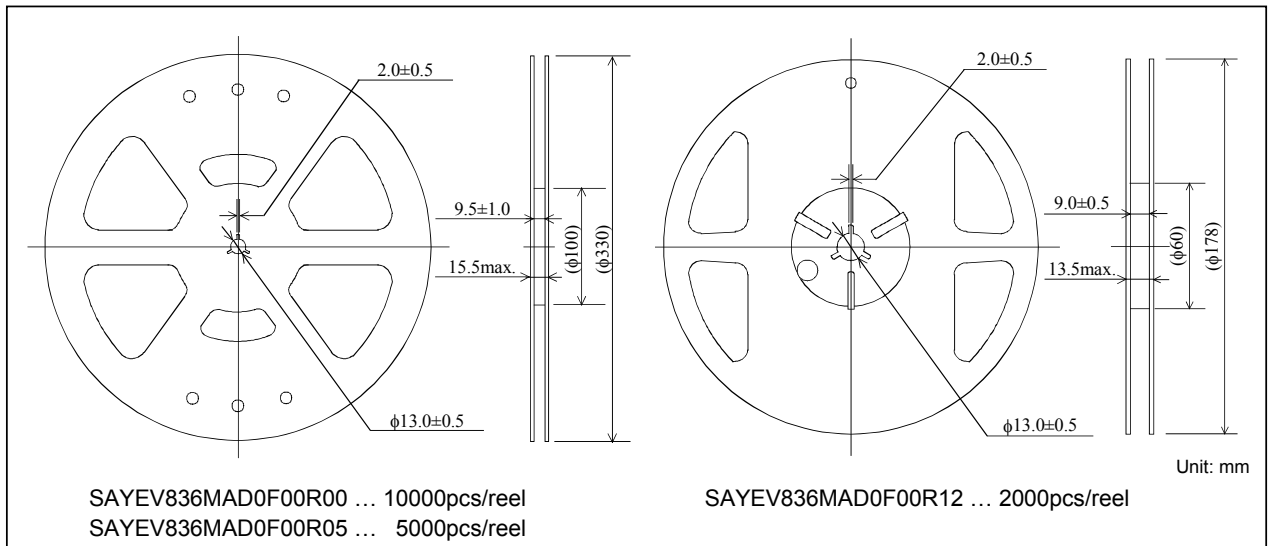
■ Dimensions of Carrier Tape



■ Dimensions of Tape



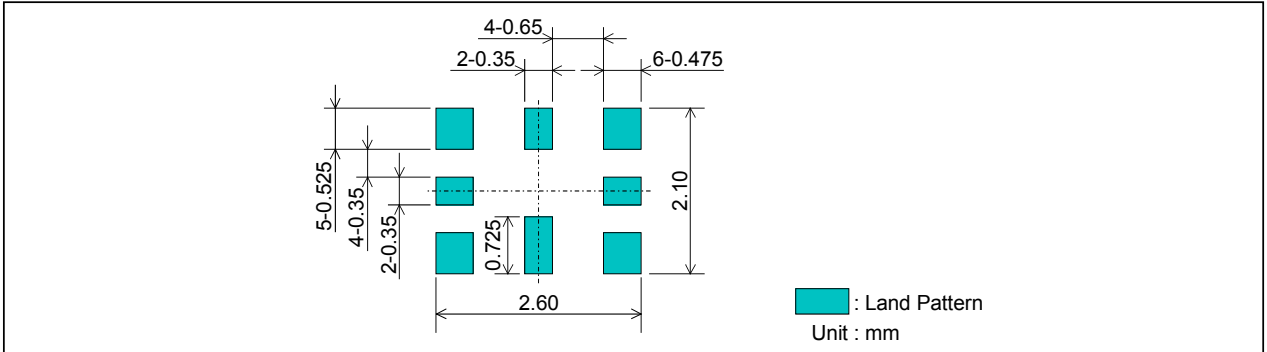
■ Dimensions of Reel



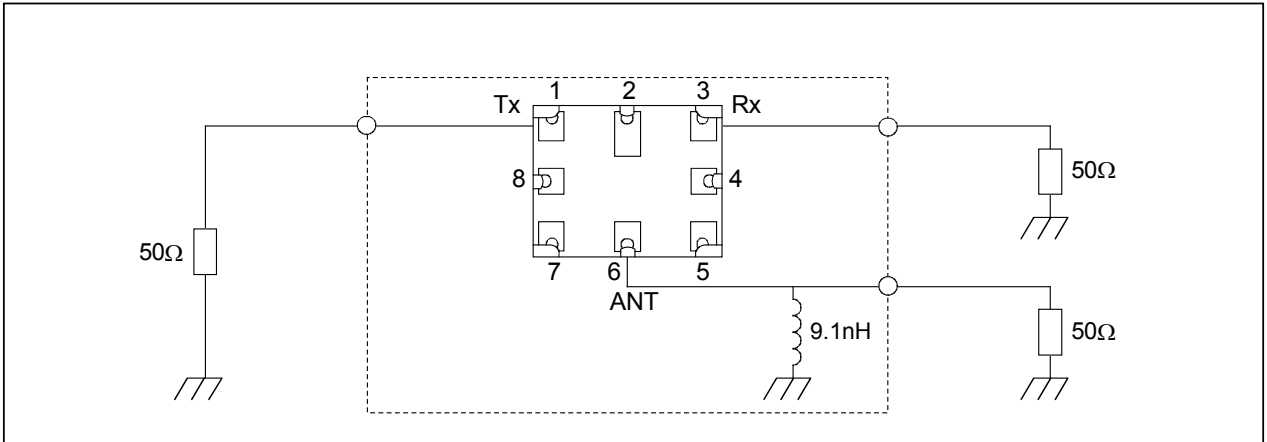
SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00

Recommended Land Pattern



Test Circuit



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