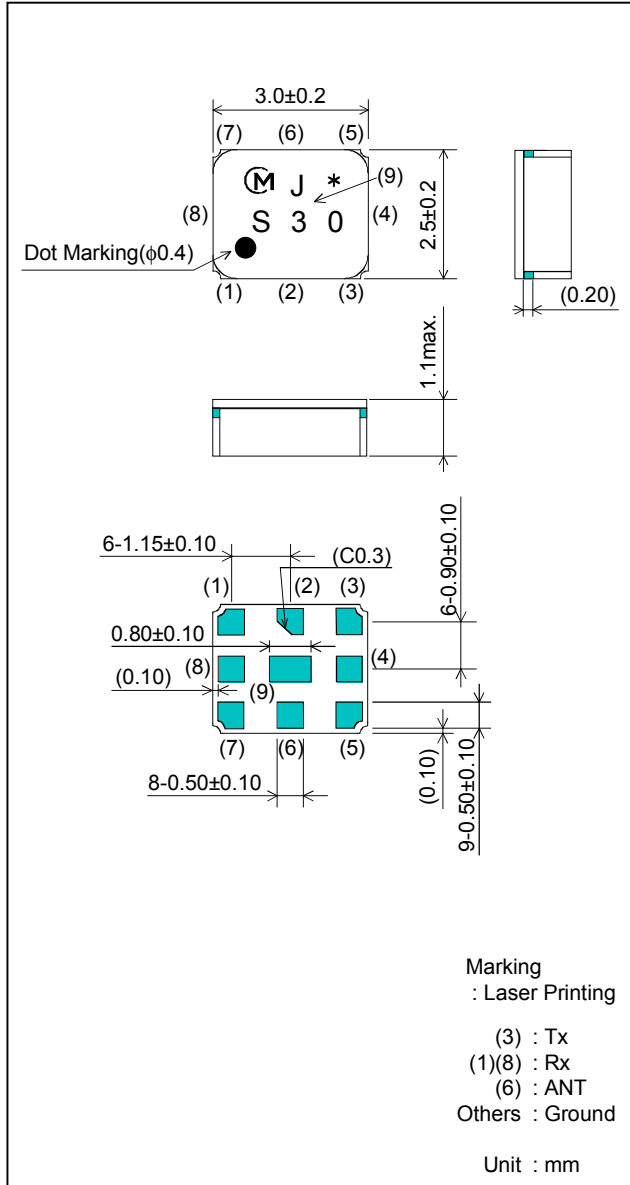


SAW DPX FOR UMTS Band2 LR type

Murata part number :SAYZY1G88CA0B00 [Tx → ANT]

Package Dimensions



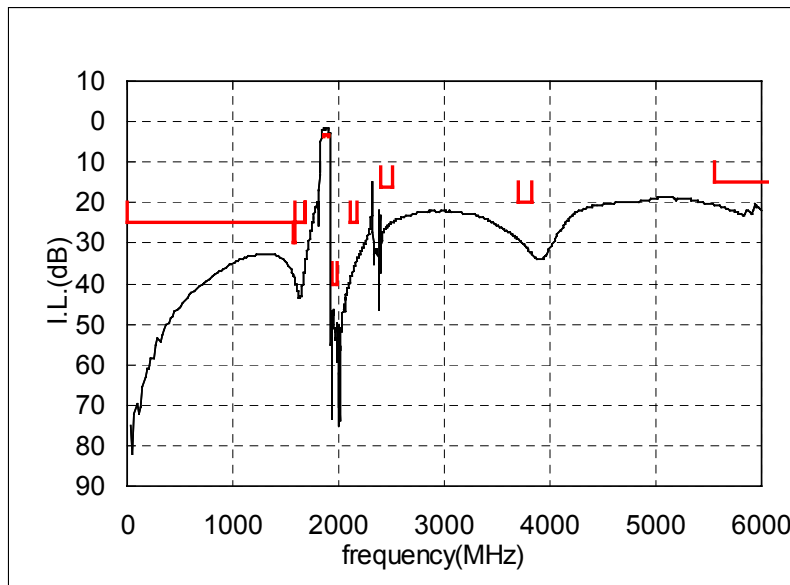
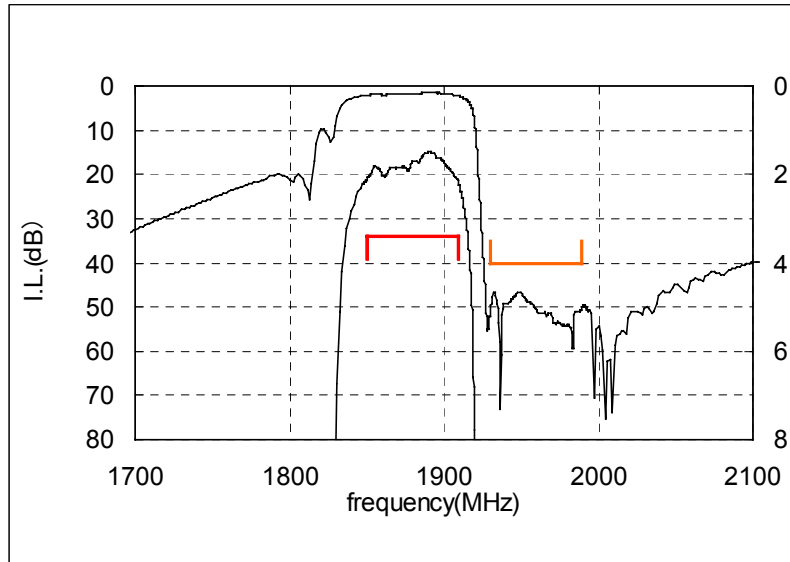
Specification

Item	Specification	
	-15 to 85°C	typ.
Nominal Center Frequency(f_c)	1880MHz	
Insertion Loss (1850.48 to 1909.52MHz)	3.4 dB max.	2.4 dB
	(1850.48 to 1909.52MHz) $25 \pm 2^\circ\text{C}$	3.0 dB max.
Absolute Attenuation		
1) 0.1 to 1680 MHz	25 dB min.	33 dB
2) 1570 to 1580 MHz	30 dB min.	39 dB
3) 1580 to 1680 MHz	25 dB min.	35 dB
4) 1930.48 to 1989.52 MHz	40 dB min.	44 dB
5) 1930.48 to 1989.52 MHz ($25 \pm 2^\circ\text{C}$)	41 dB min.	44 dB
6) 2110 to 2170 MHz	25 dB min.	33 dB
7) 2400 to 2500 MHz	16 dB min.	25 dB
8) 3700 to 3820 MHz	20 dB min.	32 dB
9) 5550 to 5730 MHz	15 dB min.	21 dB
Ripple Deviation (1850.48 to 1909.52MHz)	2.1 dB max.	0.7 dB
Any 3.84MHz Ripple Devision (1850.48 to 1909.52MHz)	1.2 dB max.	0.4 dB
VSWR (1850.48 to 1909.52MHz)	1.9 max.	1.4
ANT Port Matching Impedance(nominal)	50Ω	
Tx Port Matching Impedance(nominal)	50Ω	
Rx Port Matching Impedance(nominal)	$100\Omega // 8.2\text{nH}$	
Input Signal Level	0.8W, 35000 hours, WCDMA or CDMA modulation (55°C)	

SAW DPX FOR UMTS Band2 LR type

Murata part number :SAYZY1G88CA0B00 [Tx →ANT]

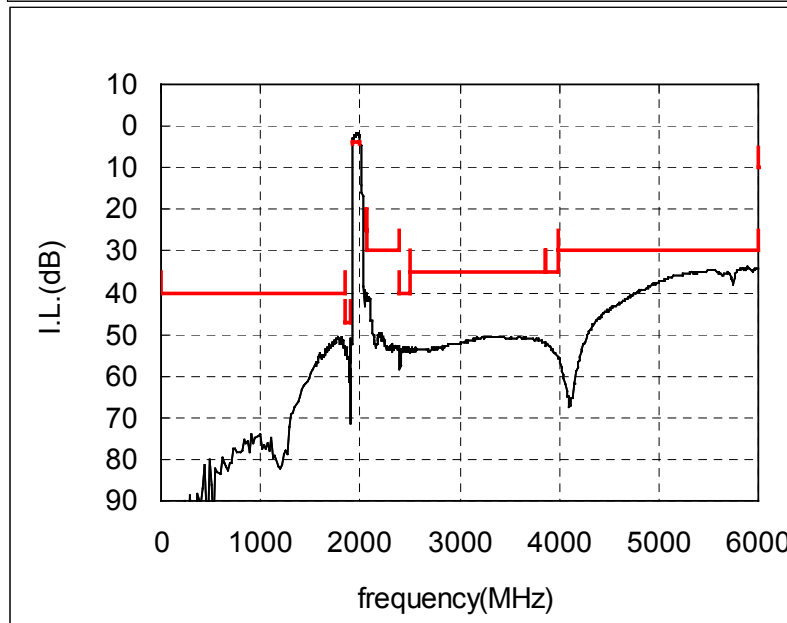
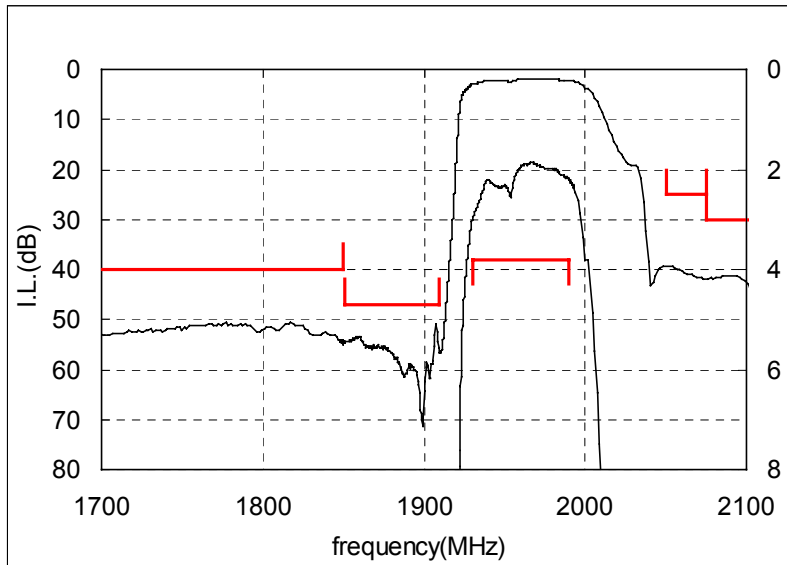
■ Frequency Performance



SAW DPX FOR UMTS Band2 LR type

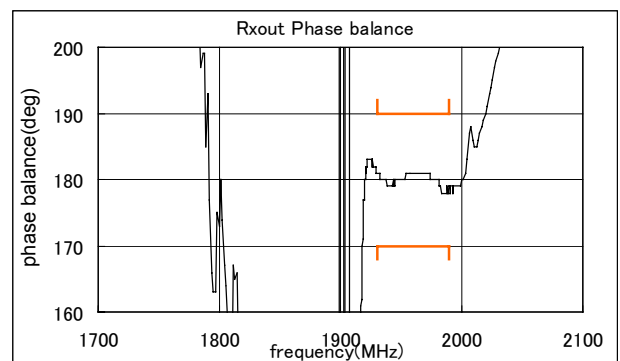
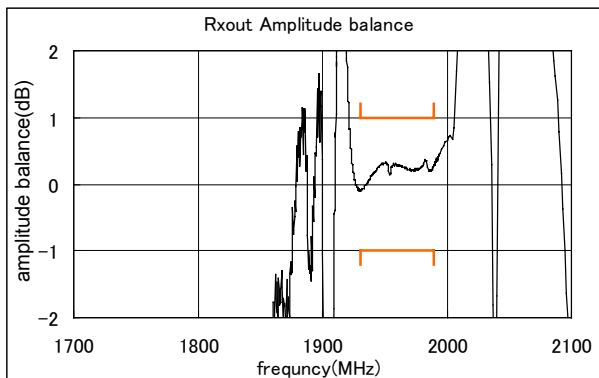
Murata part number :SAYZY1G88CA0B00 [ANT→Rx]

■ Frequency Performance



Amplitude balance

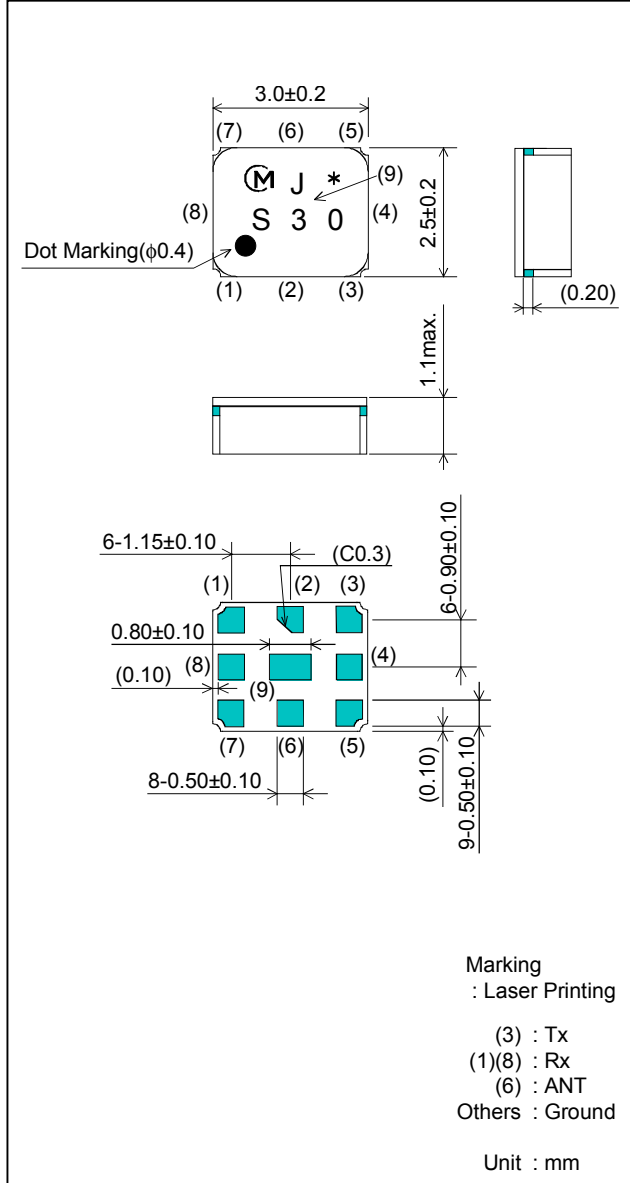
Phase balance



SAW DPX FOR UMTS Band2 LR type

Murata part number :SAYZY1G88CA0B00 [Tx →Rx]

■ Package Dimensions



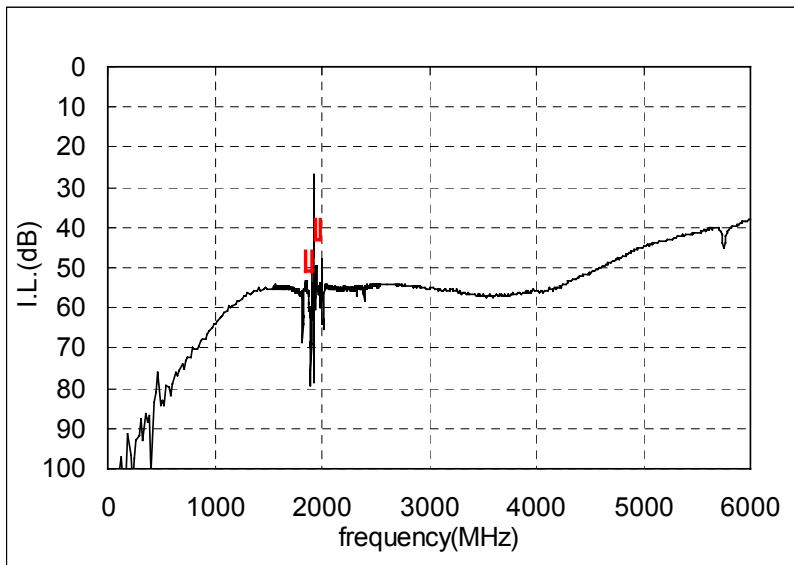
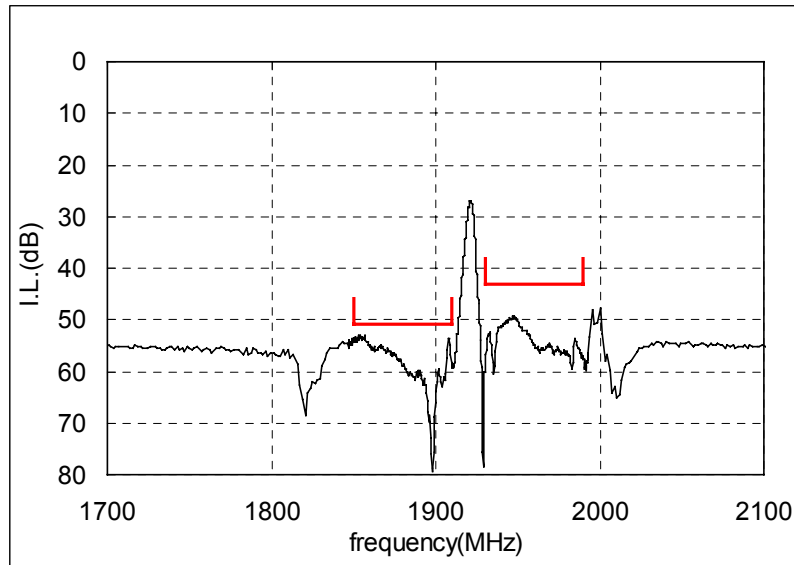
■ Specification

Item	Specification	
	-15 to 80°C	typ.
Isolation		
1) 1850.48 to 1909.52 MHz	51 dB min.	54 dB
2) 1850.48 to 1909.52 MHz (25±2°C)	51 dB min.	54 dB
3) 1930.48 to 1989.52 MHz	43 dB min.	48 dB
4) 1930.48 to 1989.52 MHz (25±2°C)	43 dB min.	48 dB

SAW DPX FOR UMTS Band2 LR type

Murata part number :SAYZY1G88CA0B00 [Tx →Rx]

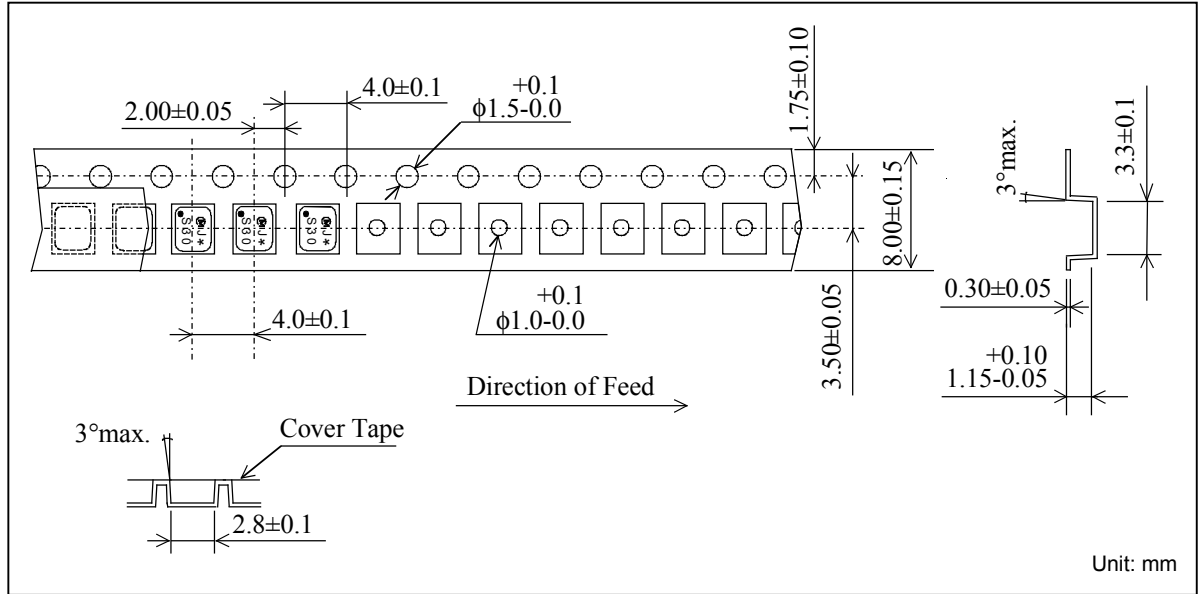
■ Frequency Performance



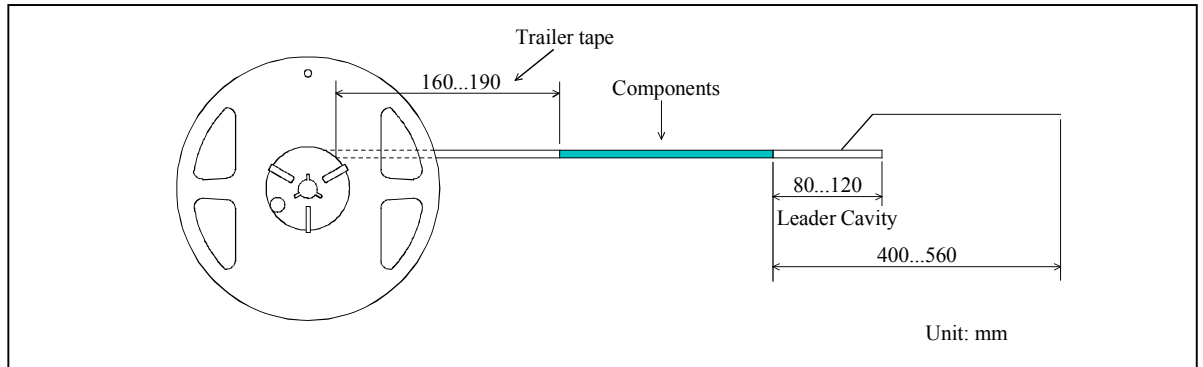
SAW DPX FOR UMTS Band2 LR type

Murata part number :SAYZY1G88CA0B00

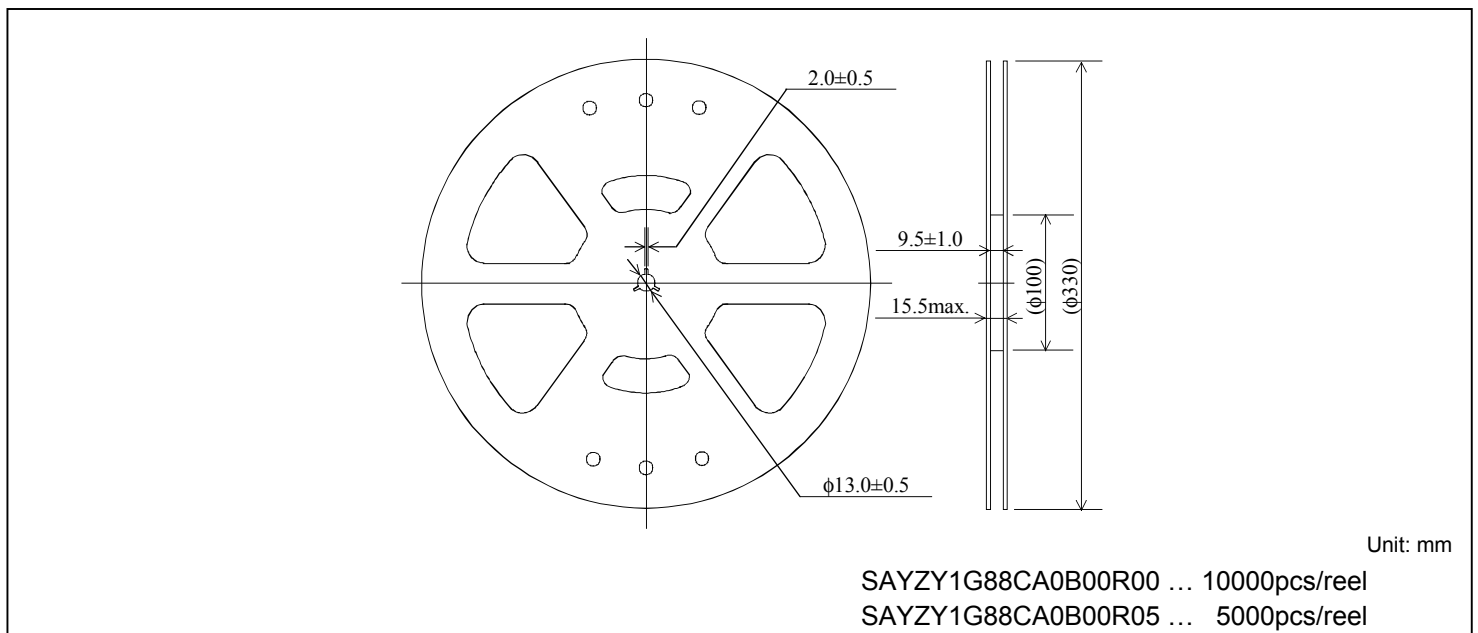
■ Dimensions of Carrier Tape



■ Dimensions of Tape



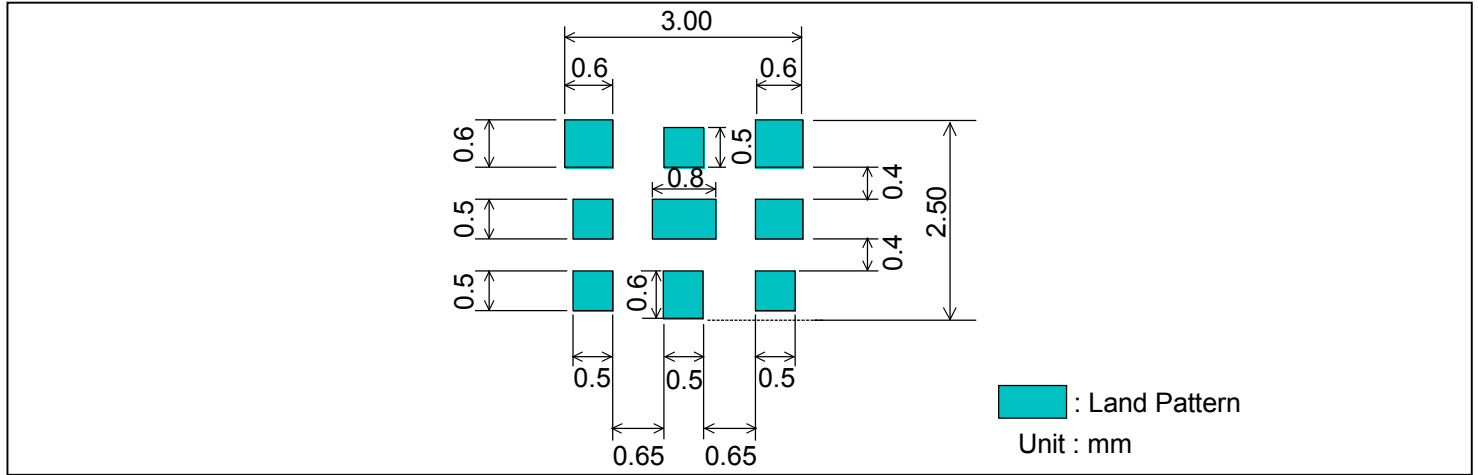
■ Dimensions of Reel



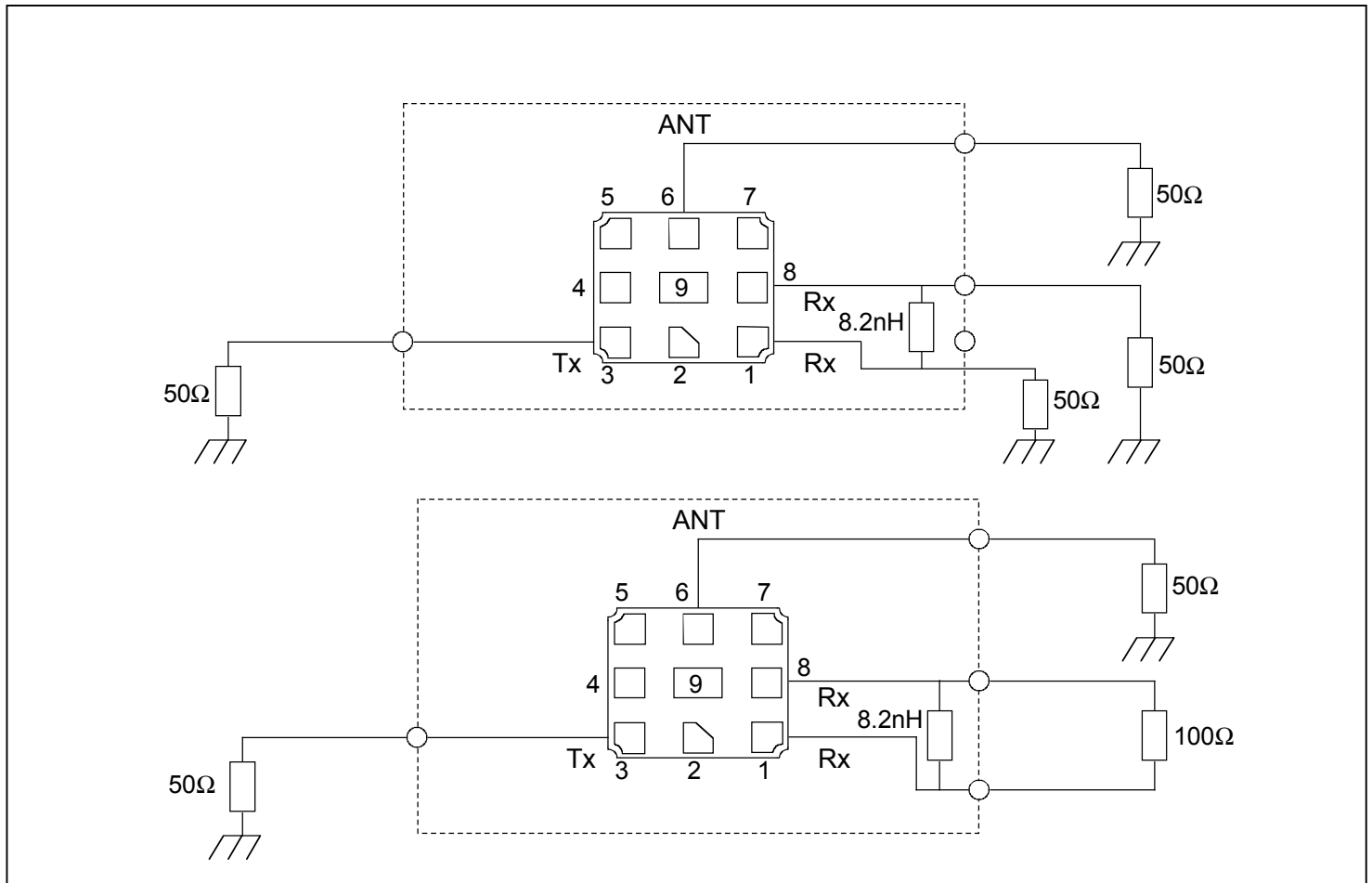
SAW DPX FOR UMTS Band2 LR type

Murata part number :SAYZY1G88CA0B00

Recommended Land Pattern



Test Circuit



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