

Datasheet of SAW Filter

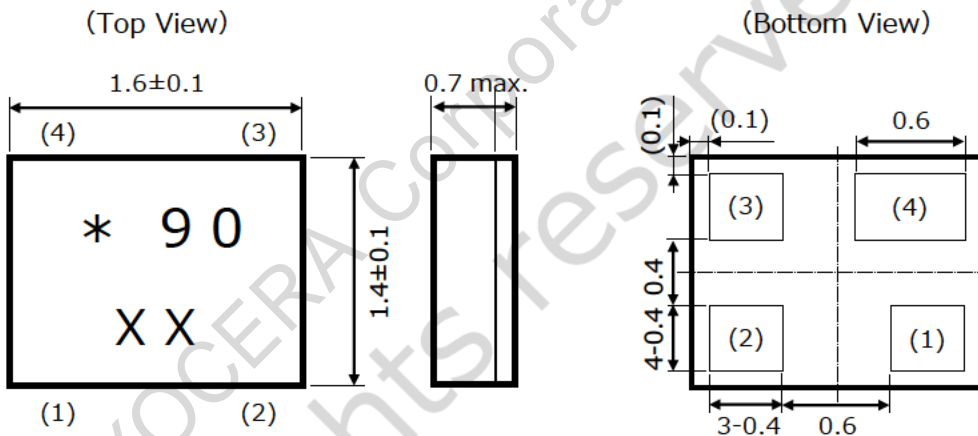
1614 ISM900MHz for JP

KYOCERA Part No. : SF16-0923M4UU01

Rating

Items	Rating	Unit	Note
Operating Temperature Range	-30 to +85	deg.C	
Storage Temperature Range	-40 to +85	deg.C	
Max Input Power	+12	dBm	5,000Hours, Ta=50deg.C, CW
Input Port Nominal Impedance	50	ohm	Unbalance
Output Port Nominal Impedance	50	ohm	Unbalance

Dimensions

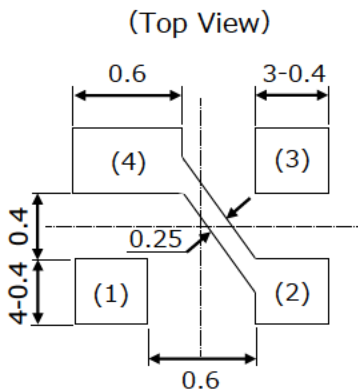


* : Identification logo
 66 : Identification no.
 XX : Date code

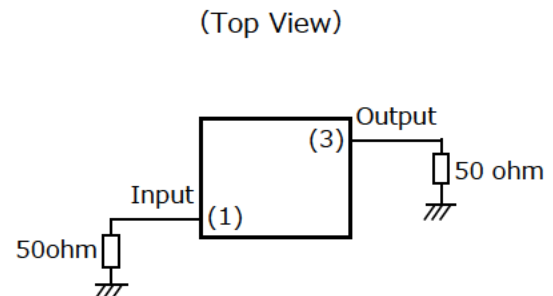
Unit : mm

Pin No.	Function
(1)	Input
(3)	Output
Others	GND

Recommendable Land Pattern



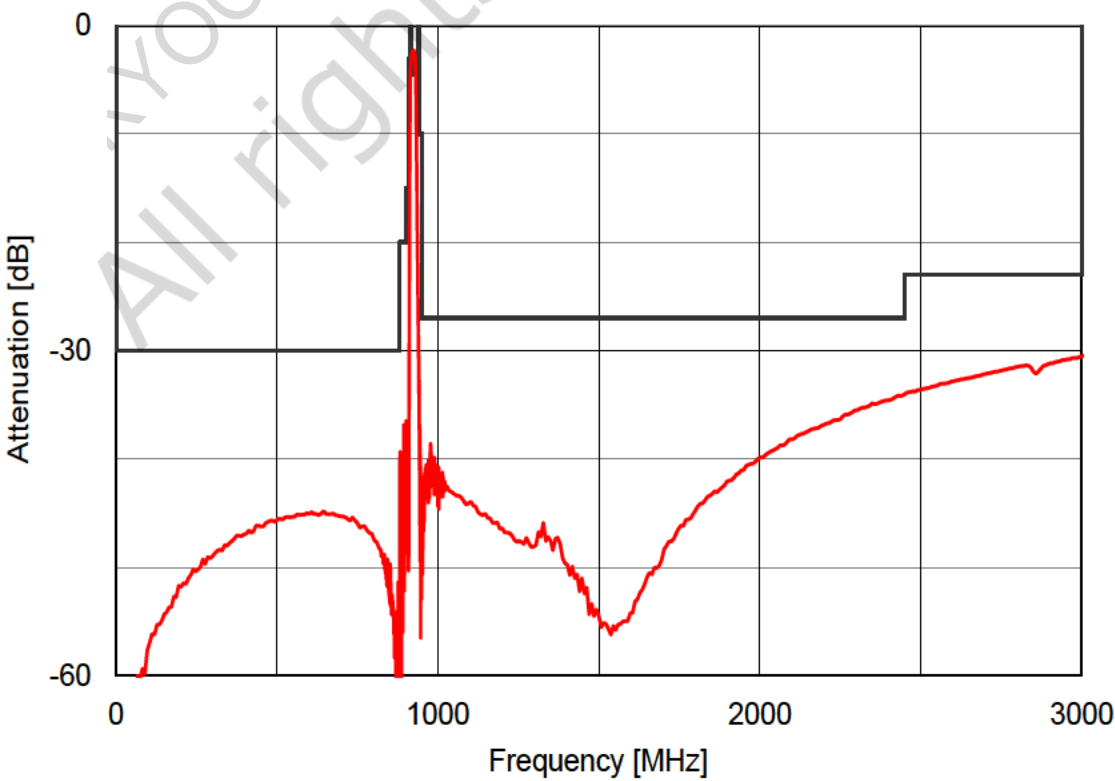
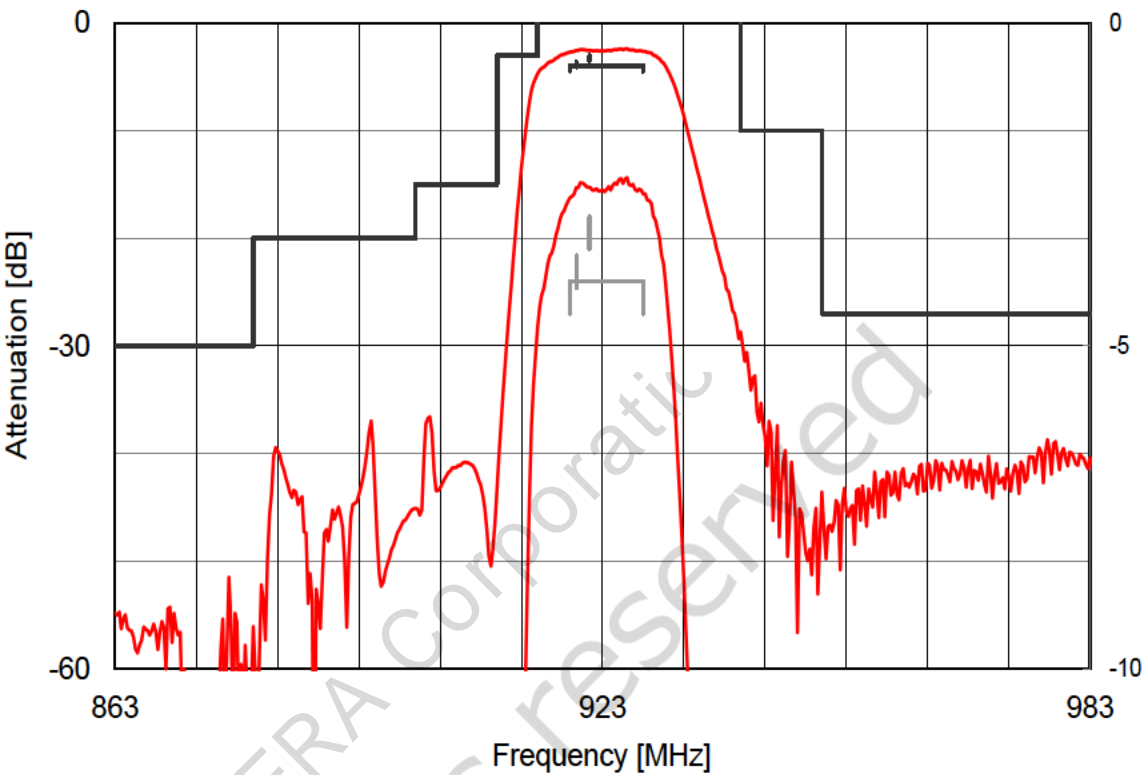
Measurement Circuit



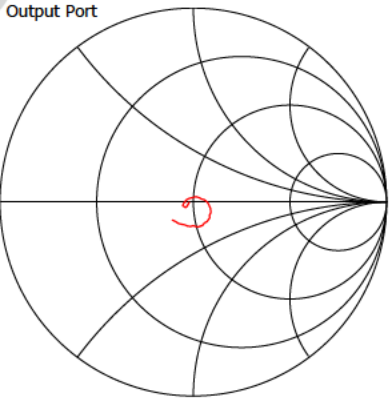
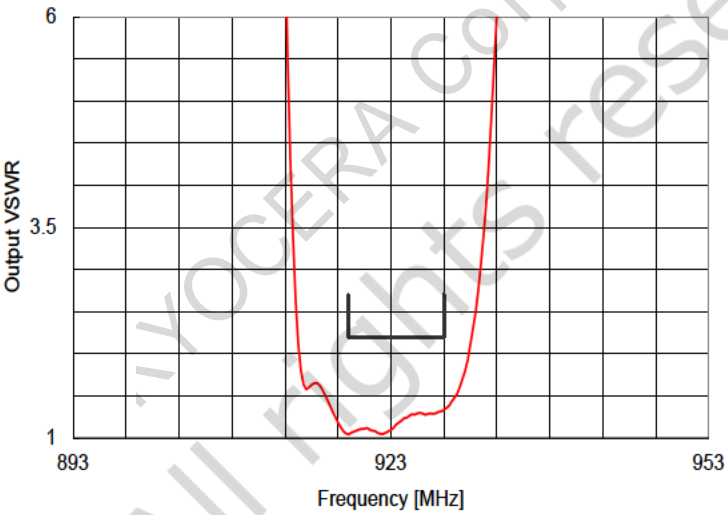
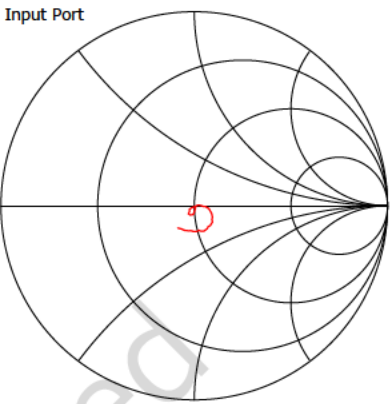
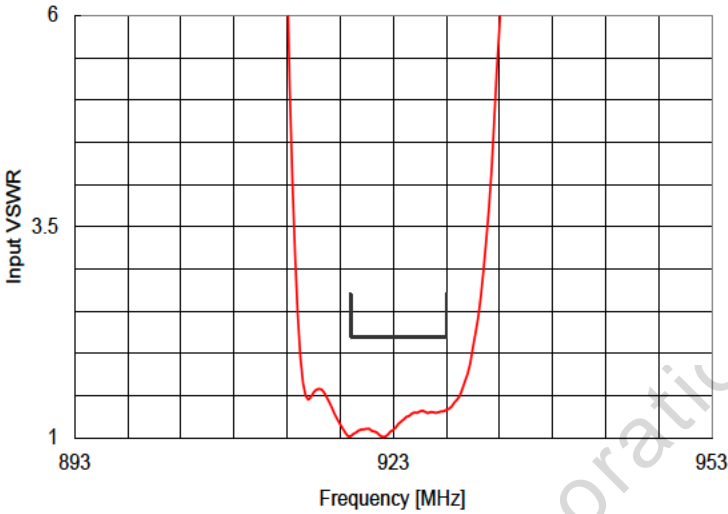
Electrical Characteristics

ITEMS	Frequency (MHz)		Characteristics			Unit	Note
			min.	typ.	max.		
Nominal Center Frequency	-		923.5			MHz	
Insertion Loss	919	to 928	-	2.7	4.0	dB	
	919.8		-	2.5	3.6	dB	
	921.4		-	2.2	3.0	dB	
Ripple (peak to peak)	919	to 928	-	0.7	3.0	dB	
Input VSWR	919	to 928	-	1.3	2.2	-	
Output VSWR	919	to 928	-	1.3	2.2	-	
Absolute Attenuation	0.3	to 880	30	44	-	dB	
	880	to 900	20	36	-	dB	
	900	to 910	15	34	-	dB	
	910	to 915	3	8	-	dB	
	940	to 950	10	25	-	dB	
	950	to 1000	27	38	-	dB	
	1000	to 2450	27	34	-	dB	
	2450	to 3000	23	31	-	dB	

Electrical Characteristics

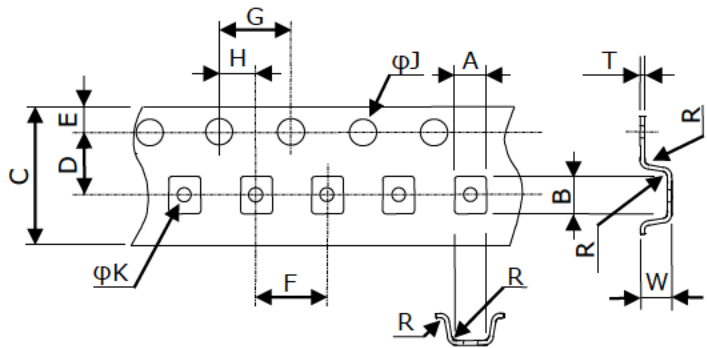


Electrical Characteristics



Tape & Reel Specification

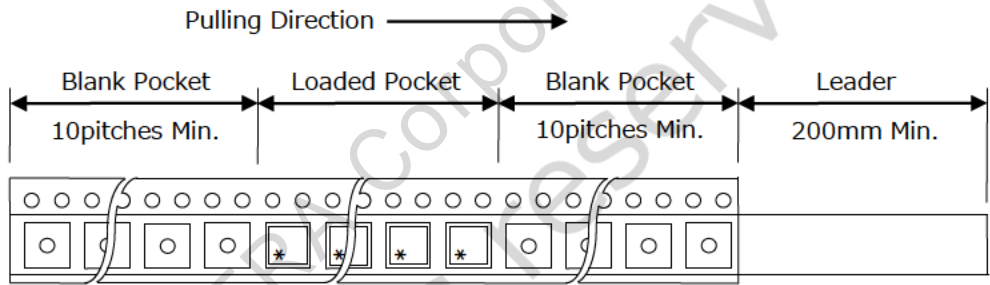
[Tape]



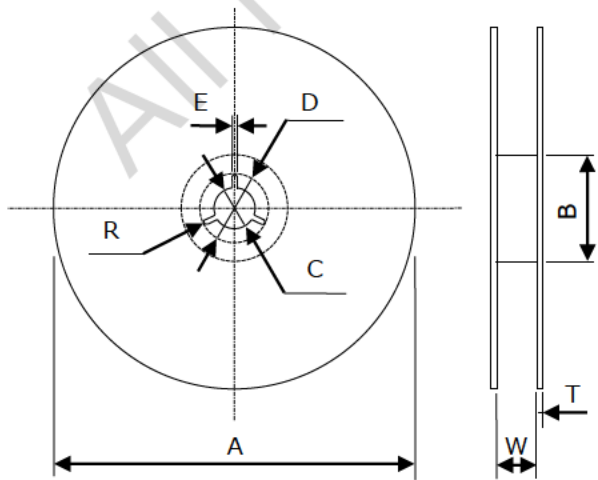
Unit : mm

Part	Dimension
A	1.85±0.10
B	1.90±0.10
C	8.0±0.2
D	3.50±0.05
E	1.75±0.10
F	4.0±0.1
G	4.0±0.1
H	2.00±0.05
φJ	1.5±0.1
φK	1.1±0.1
R	0.3 Max
W	0.95±0.20
T	0.25±0.05

W : Dimension is depth of pockets.



[Reel]



Unit : mm

Part	Dimension
A	178 ± 2
B	60 ± 2
C	13.0 ± 0.2
D	21.0 ± 0.8
E	2.0 ± 0.5
R	1
W	9.5 ± 1.0
T	2.0 ± 0.2

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