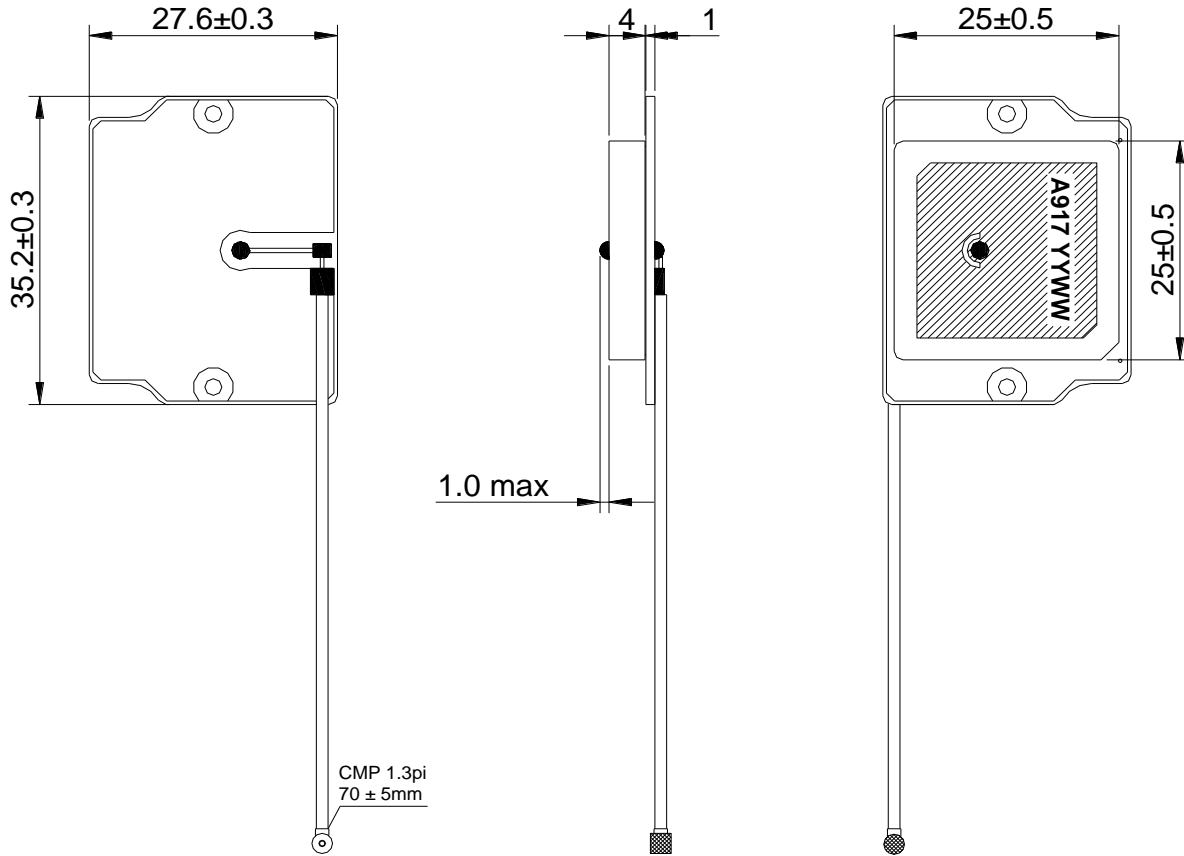


Customer	파이칩스	Written	Checked	Approved
Part No.	KSA-A917MS25B3527K70	JS KIM		
Date	09-Mar-21			

1. Electrical Specifications.

ITEM	Specifications
Center Frequency	917 ± 3 MHz
Bandwidth in 5 dB	4 MHz min.
Return Loss @ Fc	-7 dB max
Impedance	50 Ω
Polarization	R.H.C.P
Peak Gain @ In Set	1.6 dBic
Ground Plane	35.2X27.6 FR4 PCB, CMP 1.3pi Cable 70mm

2. Dimensions.



[BOTTOM]

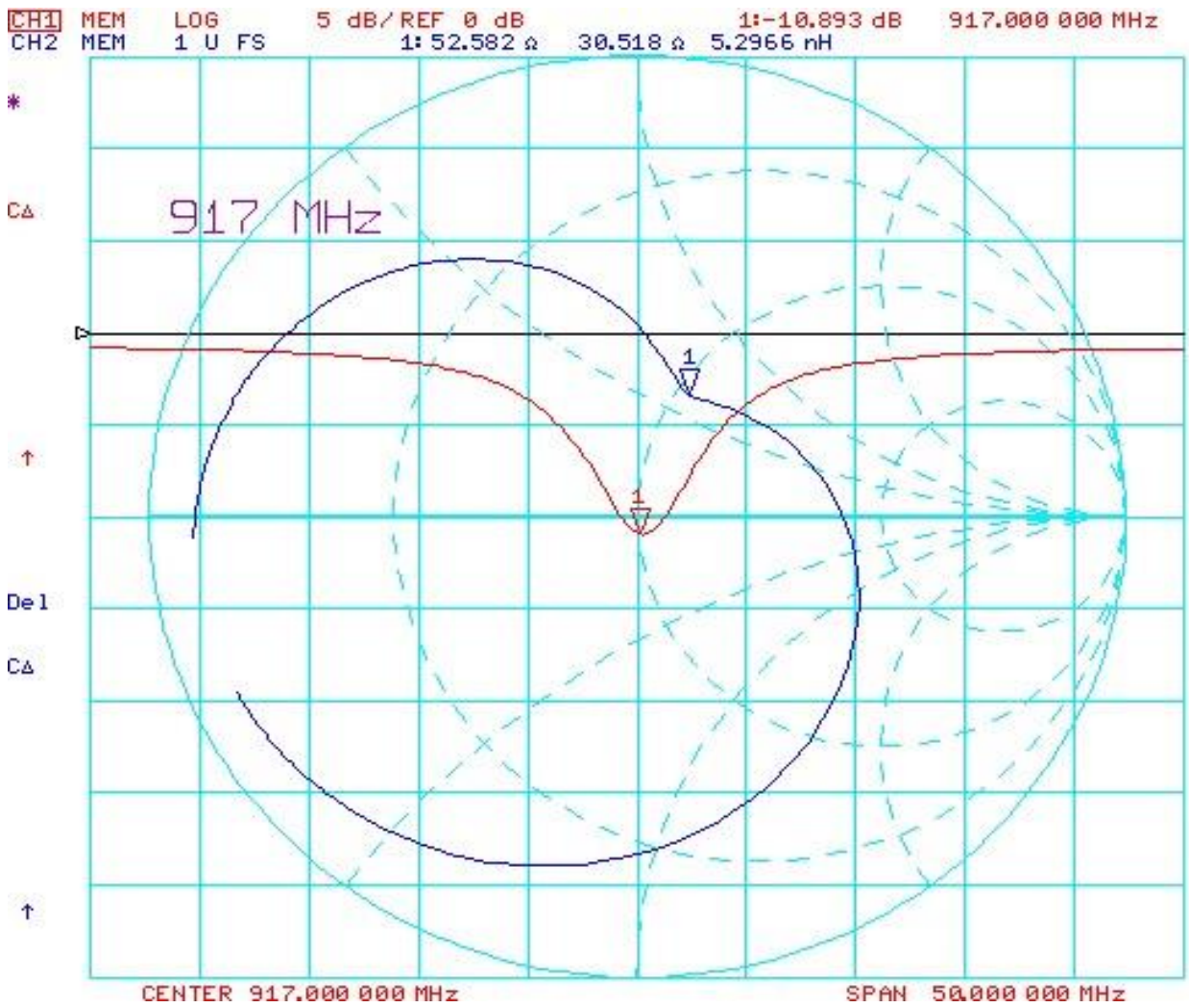
[SIDE]

[TOP]

Tolerance Unless
 Otherwise Specified : ± 0.2
 Unit : mm

3. Data

3.1) Return Loss & Smith Chart (Test Ground)



3.2) Antenna Chamber Data (housing)

No.	Freq.	RHCP				H(Theta=0)				E1(Phi=0)				E2(Phi=90)				
		Eff.[%]	Avg.[dBic]	Peak[dBic]	Theta[c]	Phi[deg]	Avg.[dBic]	Peak[dBic]	[deg]	BW[deg]	Avg.[dBic]	Peak[dBic]	Theta[c]	BW[deg]	Avg.[dBic]	Peak[dBic]	Theta[c]	BW[deg]
1	909.000	13.17	-8.81	-4.60	30.00	180.00	-11.20	-7.41	150.00	103.03	-7.63	-4.60	-30.00	149.26	-8.99	-5.30	-15.00	124.56
2	911.000	18.17	-7.41	-3.31	30.00	180.00	-9.79	-5.89	165.00	102.70	-6.21	-3.31	-30.00	152.75	-7.69	-4.00	-15.00	125.28
3	913.000	24.32	-6.14	-2.22	30.00	180.00	-8.47	-4.43	165.00	101.73	-4.90	-2.22	-30.00	191.04	-6.60	-2.91	-15.00	126.75
4	915.000	32.15	-4.93	-1.26	30.00	195.00	-7.05	-2.96	165.00	101.67	-3.55	-1.29	-30.00	235.23	-5.71	-1.91	-15.00	126.27
5	917.000	40.19	-3.96	0.20	0.00	285.00	-5.33	-2.01	180.00	108.60	-2.25	0.11	0.00	209.09	-4.91	-0.09	0.00	93.48
6	919.000	33.86	-4.70	1.61	15.00	45.00	-5.69	-2.86	360.00	102.04	-3.10	1.20	15.00	96.75	-4.58	1.20	15.00	79.69
7	921.000	25.61	-5.92	0.21	30.00	30.00	-7.33	-4.83	360.00	87.09	-4.61	-0.22	15.00	99.67	-5.47	-0.29	30.00	93.52
8	923.000	19.14	-7.18	-1.37	30.00	30.00	-8.84	-6.69	360.00	101.32	-6.00	-1.89	15.00	106.51	-6.76	-1.83	30.00	98.46
9	925.000	14.59	-8.36	-2.83	30.00	30.00	-10.16	-8.18	360.00	-15.28	-7.23	-3.30	30.00	110.95	-7.99	-3.25	30.00	101.55
10	927.000	11.45	-9.41	-4.03	30.00	30.00	-11.26	-9.36	345.00	76.51	-8.32	-4.48	30.00	113.38	-9.09	-4.48	30.00	104.03
11	929.000	9.09	-10.42	-5.15	30.00	30.00	-12.31	-10.41	345.00	82.35	-9.34	-5.61	30.00	116.80	-10.15	-5.62	30.00	105.50

