



MCV Microwave Filter Specification

Customer:
MCV P/N: DCC908-953-13A1 Rev. 1

1/7/11

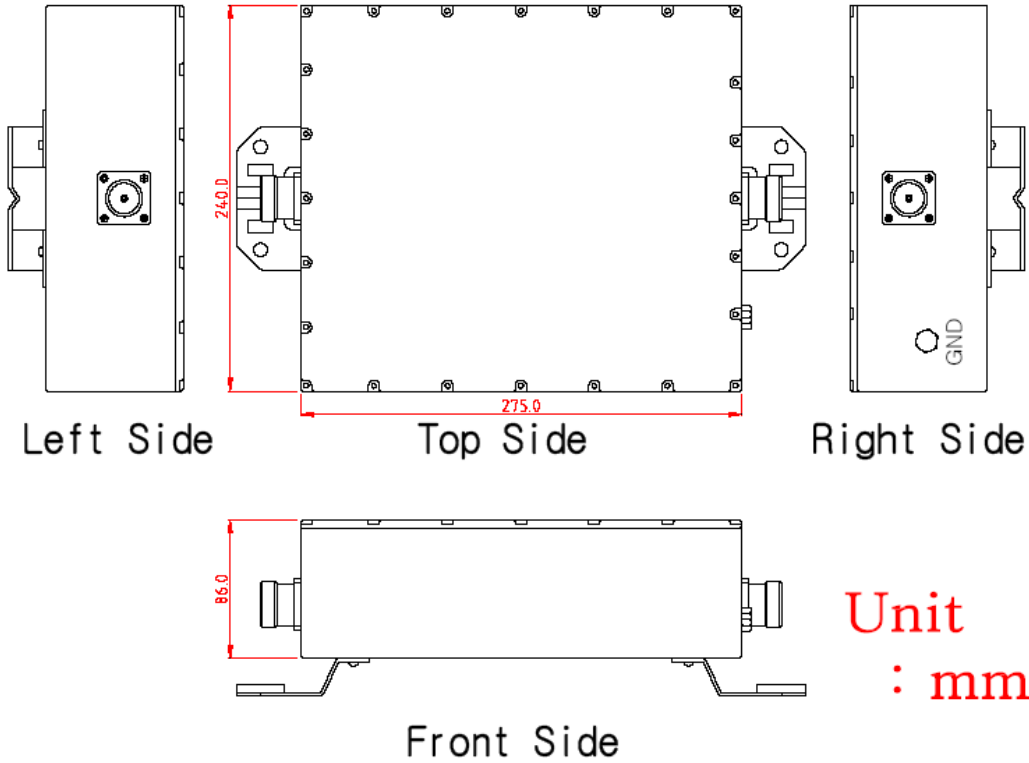
Electrical Specification

No.	Parameter		Specification	Remark
1	Technology		RET DC-Pass Filter	
2	Frequency Range	FSK Mode	9.59 ~ 11.17 MHz	
		OOK Mode	2.076 ~ 2.276 MHz	@ Fc : 2.176 MHz
		GSM/UMTS-900	902 ~ 915 MHz	@ Fc : 908.5 MHz
			947 ~ 960 MHz	@ Fc : 953.5 MHz
3	Operating Bandwidth		13 MHz	@ Main BW
4	Insertion Loss	All Pass Band	0.3dB (max)	@Operating Temperature
5	V.S.W.R.	FSK, OOK Mode	1 : 1.3 Max.	
		GSM/UMTS-900	1 : 1.2 Max.	
6	Stop Band Attenuation		≥55dB	@ 500 ~ 892MHz
7	Intermodulation		≤-160dBc	7th order; with TX of 2x20W@947-960MHz within RX of 902-915MHz
8	Delay		≤1ms	
9	Max. Input Power		100W	@RMS Power
10	Impedance		50ohm	
11	Special Features(DC By-Pass)		10 ~ 32VDC (Current : ≥1500mA)	@Both Ports
12	Operating Temperature & Humidity		-20 °C ~ +60 °C / 100%	

Mechanical & Surface Specification

No.	Parameter		Specification	Remark
1	Housing Type		Indoor / Outdoor	
2	Dimension		275 * 240 * 86 (Excluding Braket)	W * D * H
3	Connector Type	In / output Port	2 x 7-16 female	
		Ground Screw		IEC 60617 section 02-15-01
4	Marking		Description, Model No, Manufacturer, S/N	
5	Color		Light Grey	
6	Sealing		IP65	
7	Mounting Type		Wall & Poll Mounting with 4 holes	@Indoor : Poll Mounting @Outdoor : Wall Mounting
8	Weight (Kg)		15 Kg max.	
9	Heat Dissipation		Natural Convection	

Dimension [Unit: mm]



Simulation Graph

