



W-CDMA Band 1 Cavity Duplexer Specifications

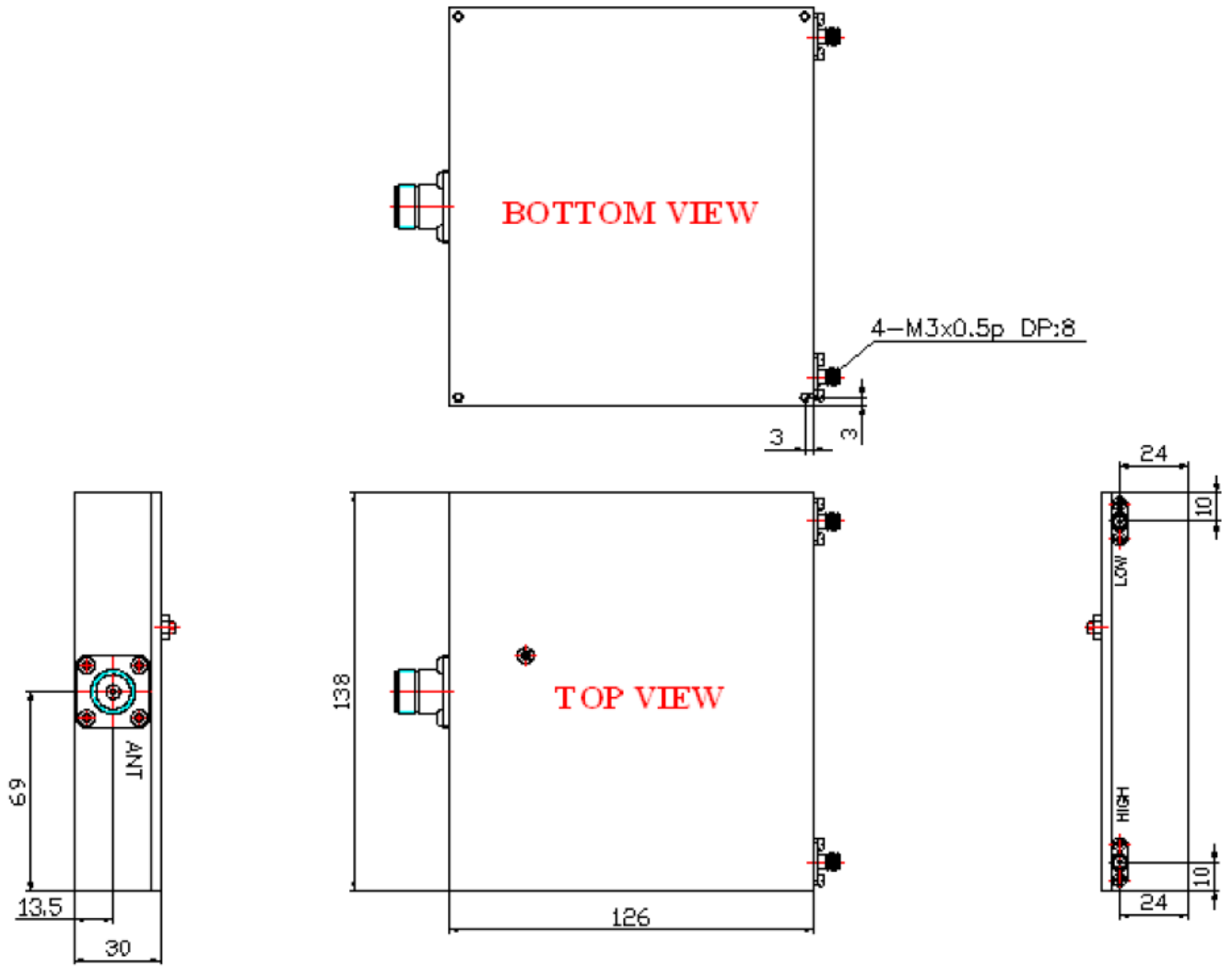
Design	R & D	Approval
CYK	YHKW	ECL

Customer:	Date: 07/21/10	P/N: DCC1950-2140-60D1 rev. 1
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Electrical Specification

No.	Parameter	Unit	Specification	
			Low	High
1	Center Frequency	MHz	1950	2140
2	Frequency Range	MHz	1920~1980	2110~2170
3	Insertion Loss in BW	dB	1.0 max.	0.7 max.
4	Passband Ripple	dB	0.8 max.	0.6 max.
5	Return Loss in BW	dB	18.0 min.	18.0 min.
6	Attenuation	dB	65 min. @ DC~1820 MHz	65 min. @ DC~1820 MHz
			75 min. @ 2110~2170 MHz	75 min. @ 1920~1980 MHz
			65 min. @ 2270~2305 MHz	60 min. @ 2270~2305 MHz
			65 min. @ 2305~2900 MHz	60 min. @ 2305~2900 MHz
			65 min. @ 3400~3600 MHz	60 min. @ 3400~3600 MHz
			65 min. @ 3860~3980 MHz	60 min. @ 3860~3980 MHz
			60 min. @ 5160~5845 MHz	60 min. @ 5160~5845 MHz
			60 min. @ 5845~11800 MHz	60 min. @ 5845~11800 MHz
7	Isolation	dB	50 min. @ 1920~1980 MHz	
			75 min. @ 2110~2170 MHz	
			50 min. @ 1980~2110 MHz	
8	IMD	dBc	154 min. @ 2x43dBm	
9	Power Handling	Watt	16 Avg., 320 Peak-1μs/1ms	
10	IN/OUT Impedance	Ω	50	
11	Operating Temp. Range	°C	-20 ~ +85	
12	Connector	-	ANT-N(Female), Others – SMA(Female)	
13	Finish	-	Black Epoxy Painting	

Dimension [Unit: mm]



Performance Graphs

