



Specification

AWS/PCS Cavity Multiplexer (4-plexer)

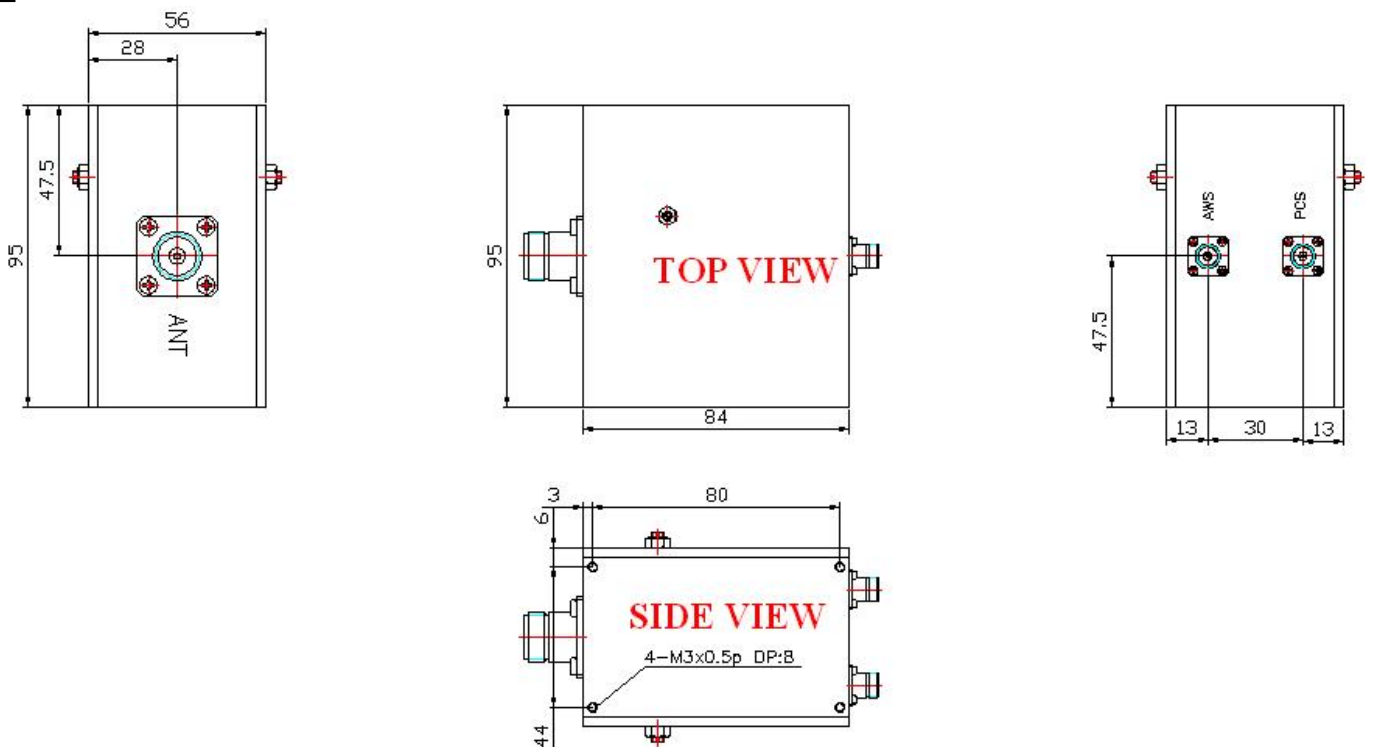
Design	R & D	Approval
CYK	YHJO	ECL

Customer:	Date: 04/15/10	P/N: MCC4-000001A1 Rev. 1
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Electrical Specification

No.	Parameter	Unit	Specification			
			PCS		AWS	
			LOW	HIGH	LOW	HIGH
1	Center Frequency	MHz	1880	1960	1732.5	2132.5
2	Frequency Range	MHz	1850~1910	1930~1990	1710~1755	2110~2155
3	Insertion Loss in BW	dB	0.5 max		0.5 max	
4	Ripple in BW	dB	0.5 max		0.5 max	
5	Return Loss in BW	dB	20 min.		20 min.	
6	Attenuation	dB	50 min. @ 500 – 1000 MHz 50 min. @ 1000 – 1710 MHz 65 min. @ 1710 – 1755 MHz 65 min. @ 2110 – 2155 MHz 75 min. @ 2400 – 2483 MHz 75 min. @ 5160 – 5845 MHz		50 min. @ 500 – 1550 MHz 65 min. @ 1850 – 1990 MHz 75 min. @ 2400 – 2483 MHz 75 min. @ 5160 – 5845 MHz	
7	Isolation	dB	65 min. @ 1710~1755 & 2110~2155 MHz		65 min. @ 1850~1910 & 1930~1990 MHz	
8	Differential Group Delay	ns	10 max. @ 3.84MHz any Frequency		10 max. @ 3.84MHz any Frequency	
9	Input Power	Watt	20 avg., 50 max., 200 peak			
10	PIMD	dBc	-106 min @ 2 × 10W			
11	Connector Type	-	ANT : N(Female), Low & High: SMA (Female)			
12	Temp. Range	°C	-20 ~ +85			
13	Finish	-	Black Epoxy Painting			

Dimension [Unit: mm]



Simulation Graphs

