

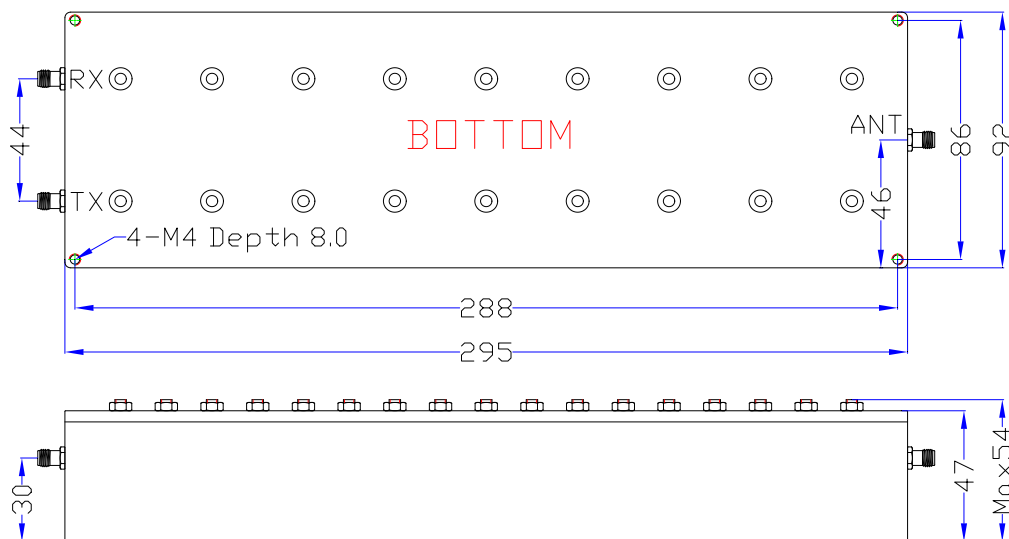
# HXHLQ-H2A70

## Cavity Diplexer

### Technical Data Sheet

S/N	Item	Parameters	
		RX	TX
1	Center Frequency(F0)	586MHz	658MHz
2	Pass Band Frequency	566 ~ 606MHz **	638 ~ 678MHz **
3	Pass Band Insertion Loss	≤1.0dB	≤1.0dB
4	Pass Band Ripple	≤0.5dB	≤0.5dB
5	Pass Band Return Loss	≥18dB	≥18dB
6	Stop Band Rejection	≥65dB @ 638 ~ 678MHz	≥65dB @ 566 ~ 606MHz
7	Isolation	≥65dB @ 566 ~ 606MHz , 638 ~ 678MHz	
8	Impedance	50 Ohms	
9	Power	30W Max.	
10	Connectors	SMA-Female	
11	Surface Finish	Painted Black	
12	Port Sign	Port 1: ANT ; Port 2: RX ; Port 3: TX	
13	Temperature Range	-30°C ~ +70°C	
14	Material	Housing: 6061 Aluminum alloy Cover: LY12 Aluminum alloy Tuning screw: H62 Copper alloy	Resonant column: H59 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel
15	Dimensions	295*92*47mm	
16	Net weight	TBD	

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)



\*\* The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.