



902.5 MHz / 947.5 MHz MonoBlock Duplexer



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AM902-947D1165

Parameter	Frequency (MHz)	Specification at 25°C
Low Band Response (S21)		
Pass Band Insertion Loss	890-915	-2.40
Pass Band Ripple	890-915	1.30
Pass Band Return Loss at Port 2	890-915	-12.00
Pass Band Return Loss at Ant	890-915	-12.00
Attenuation	870	-18.00
	925	-17.00
	935-960	-52.00
High Band Response (S13)		
Pass Band Insertion Loss	935-960	-2.40
Pass Band Ripple	935-960	-1.30
Pass Band Return Loss at Port 3	935-960	-12.00
Pass Band Return Loss at Ant	935-960	-12.00
Attenuation	925	-17.00
	890-915	-52.00
Isolation (S32)		
Rejection at Low Band	890-915	-55.00
Rejection at Mid Band	915-935	-40.00
Rejection at High Band	935-960	-55.00
Power into any port		6 W Max
Environmental Specifications		
Operating Temperature		-40°C to +85°C
Storage Temperature		-50°C to +95°C



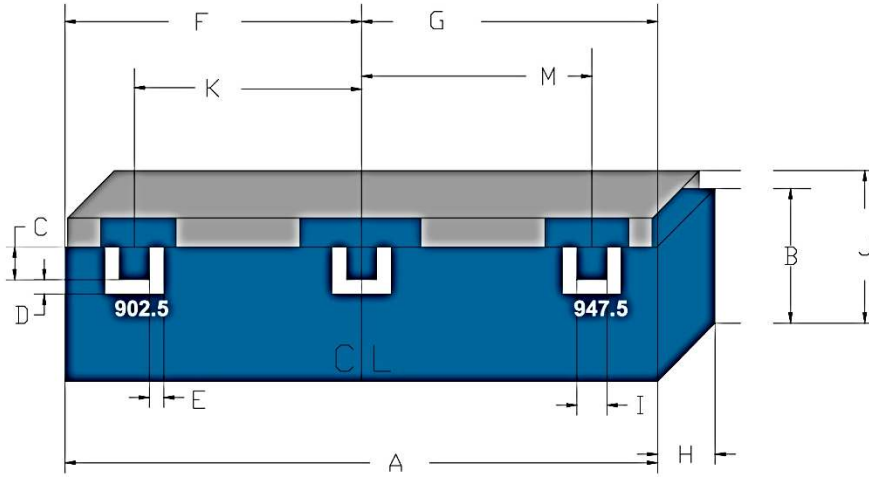
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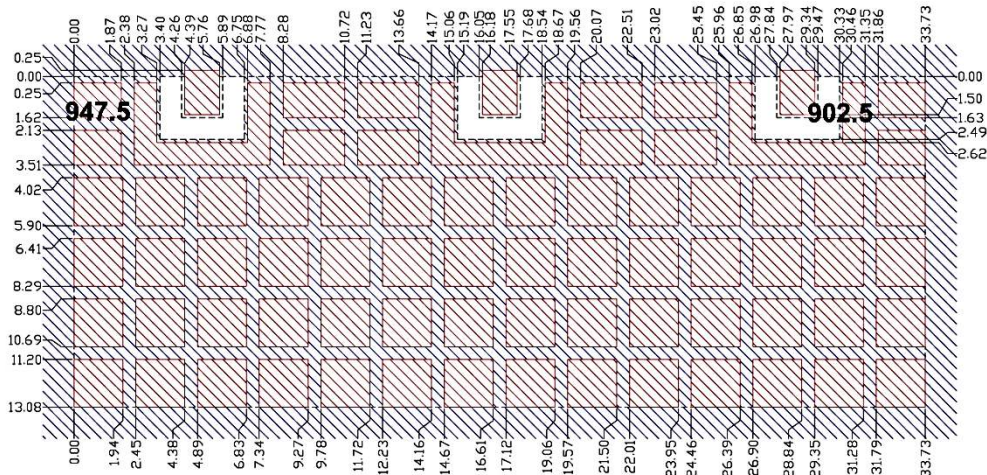
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Mechanical Drawing:



Dimension	Nominal (mm)	Tolerance (mm) +/-
A	33.73	0.27
B	13.08	max
C	1.63	0.13
D	0.86	0.13
E	0.86	0.13
F	16.87	0.13
G	16.87	0.13
H	6.56	max
I	1.63	0.13
J	14.00	max
K	11.79	0.13
M	11.79	0.13

PCB Layout:



- Filter Outline
- Exposed Conductor
- Solder Resist Over Dielectric
- Solder Resist Over Conductor



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Response Plot:

