



# 902.5 MHz / 947.5 MHz Connectorized Ceramic Duplexer



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Part Number: AM902-947D1165-C**

Parameter	Frequency (MHz)	Specification at 25°C
<b>Low Band Response (S21)</b>		
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
<b>High Band Response (S13)</b>		
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
<b>Isolation (S32)</b>		
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
<b>Mechanical Specifications</b>		
Mounting Method	Thru Hole Mounting	
Connectors	SMA Female	
Dimensions	65 x 40 x 20 mm	
<b>Environmental Specifications</b>		
Operating Temperature	-40°C to +85°C	
Storage Temperature	-50°C to +95°C	



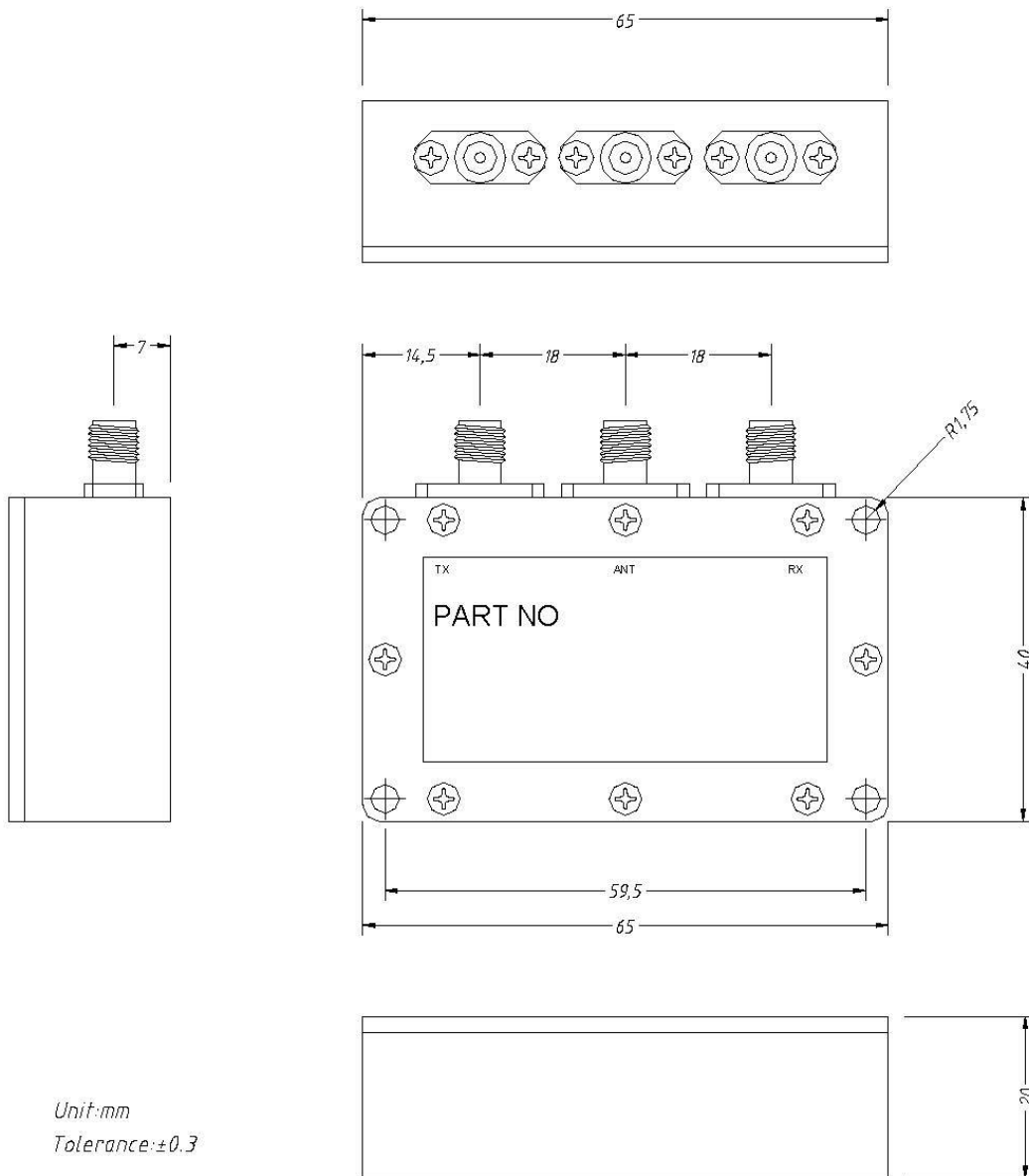
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## Mechanical Drawing:



Unit:mm  
Tolerance:±0.3