



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

# AMPS/PCS Dual Band Duplexer

**Part Number:  
AD836-881/1880-1960D230**



<b>Electrical Specifications</b>		
	<b>AMPS</b>	<b>PCS</b>
<b>Receive Passbands</b>	824-849 MHz	1850-1910 MHz
<b>Transmit Passbands</b>	869-894 MHz	1930-1990 MHz
<b>Passband Insertion Loss</b>	1.0 dB Max	1.0 dB Max
<b>Passband Ripple</b>	0.8 dB p-p max	0.8 dB p-p max
<b>Passband Return Loss</b>	12 dB Min	12 dB Min
<b>Antenna to Receive Rejection</b>		
<b>DC-790 MHz</b>	40 dB Min	
<b>869-1790 MHz</b>	40 dB Min	
<b>1930-3000 MHz</b>	40 dB Min	
<b>Transmit to Antenna Rejection</b>		
<b>DC 849 MHz</b>	40 dB Min	
<b>935-1910 MHz</b>	40 dB Min	
<b>2050-3000 MHz</b>	40 dB Min	
<b>Isolation</b>		
<b>Rx Passband(s) to Tx Passband(s)</b>	40 dB Min	
<b>Tx Passband(s) to Rx Passband(s)</b>	40 dB Min	
<b>Environmental Specifications</b>		
<b>Maximum Power Handling</b>	100 Watts CW / 500 Watts Peak	
<b>Operating Temperature</b>	0 to 50°C	
<b>Storage Temperature</b>	-40 to +85°C	
<b>Operating Humidity</b>	0-90%, non condensation	
<b>Dimensions (Excluding Connectors)</b>	10.10 x 4.60 x 2.40 Inches	
<b>Connectors</b>	N-Type (F)	



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## Outline Drawing:

