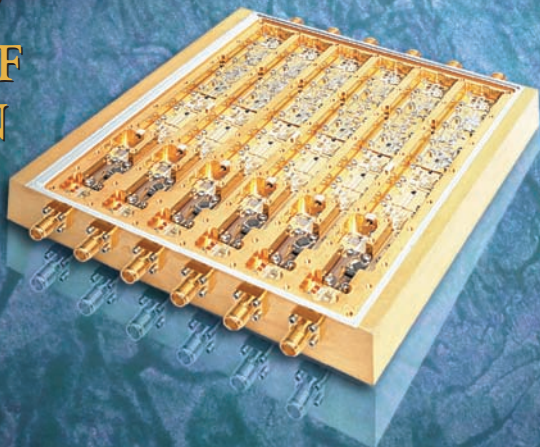


# INTEGRATED ASSEMBLIES

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*Teledyne Cougar  
custom RF & microwave  
integrated assemblies for  
aerospace, defense and  
industrial applications  
provide reliable,  
performance-based solutions.*



## 2 to 18 GHz 6 Channel Downconverter

Teledyne Cougar's Six Channel 2 - 18 GHz (RF and LO) downconverter operates with an IF of ~960 MHz, providing 25 dB of RF-IF gain, and bandwidth of ~500 MHz. This downconverter operates on a single LO at -6 dBm which is amplified, split, then again amplified to each of the 6 channels. Integrated into each channel is a range extension switch, controlled by a TTL input and adding 20 dB attenuation. Noise figure is ~ 13.5 dB and output IP3 is ~25 dBm. The downconverter is 2-sided, hermetically sealed and designed for rugged applications.

*Teledyne Cougar is your one-stop source for reliable subsystems, integrated assemblies, RF and Microwave amplifiers, and value-added service needs.*



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