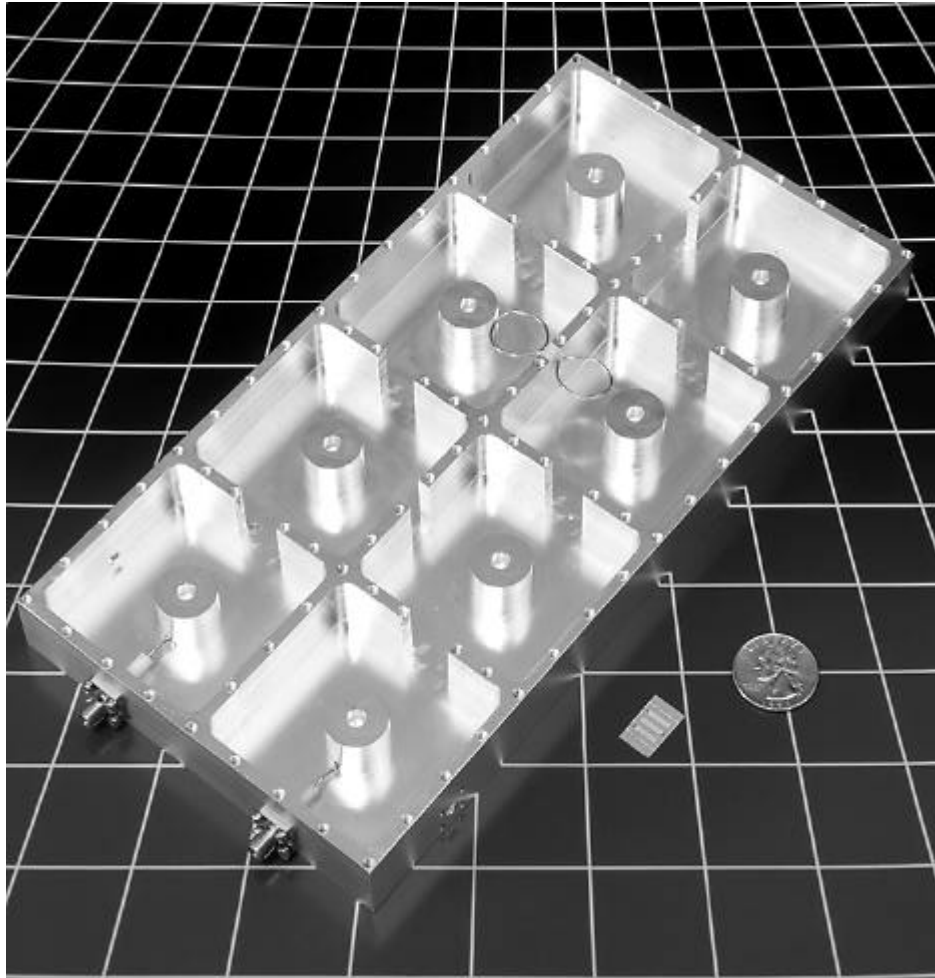


PCS BASE STATION FILTERS**FEATURES**

- Low Cost
- Compact Size
- Ultra Stable over temperature range
- Optional Directional Couplers
- Ruggedized Construction
- Other Bandwidths Available

DESCRIPTION

Aeroflex / Comstron has introduced a series of low cost, Cross Coupled Combline Filters designed to meet the specific requirements of the PCS Base Station market.

Operating in the 1850 to 1970 MHz spectrum these filters offer up to 80dB out of band rejection and low insertion loss.

Filters are available with optional Dual Directional Couplers to allow for a full range of system and antenna testing.

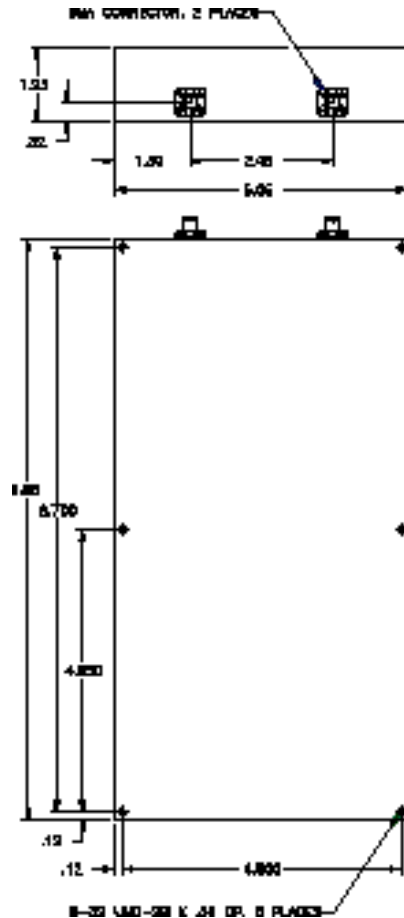
SPECIFICATIONS

Electrical Specifications	
Attenuation	
1785 MHz & below	80 dBa min
1810 MHz	60 dBa
1835 MHz	40 dBa
1848.35 MHz	30 dBa
1848.75 MHz	16 dBa
1850 MHz	4 dBa max
1851 MHz	2 dBa max
↓	↓
1864 MHz	2 dBa max
1865 MHz	4 dBa max
1866.25 MHz	16 dBa min
1866.65 MHz	30 dBa
1880 MHz	40 dBa
1905 MHz	60 dBa
1930 MHz to 6000 MHz	80 dBa

Passband Return Loss	
Input:	18 dB (Min)
Output:	16 dB (Min)
Maximum input RF power	+ 20 dBm

Environmental Specifications	
Temperature	
Operating	0°C to +65°C
Non-operating	-40°C to +85°C
Humidity	
	+85% noncondensing
Altitude	
	10,000 ft.

OUTLINE DRAWING (BOTTOM VIEW)



FREQUENCY RESPONSE CURVE

