

COMSTRON

PSC-4500

**70 MHZ IF FILTER FOR
VIDEO UP/DOWNLINK****FEATURES**

- HIGH SELECTIVITY
- CONSTANT DELAY
- FLAT PASSBAND AMPLITUDE
- LOW PASSBAND VSWR
- PC MOUNTABLE SMALL SIZE
- FREQUENCY RANGE 100 KHZ - 3000MHZ

DESCRIPTION

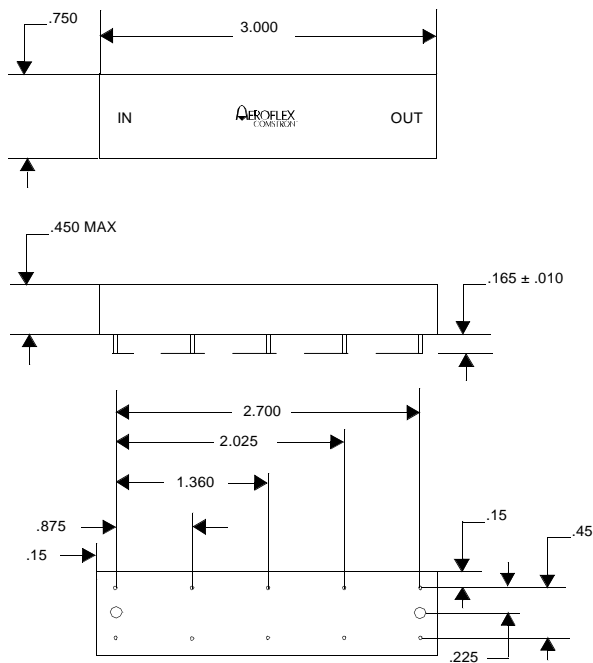
The Comstron Model PSC-4500 is a highly selective elliptic function bandpass filter with multiple allpass delay equalizer sections. It provides an extremely flat passband - both for delay and amplitude/return loss response along with excellent stopband rejection. Additionally, the small size of the device along with its high reliability, makes the PSC4500 perfect for commercial/military and ground/flight applications

PSC-4500

SPECIFICATIONS

CHARACTERISTICS	TYPICAL	LIMITS
CENTER FREQUENCY	70 MHz	-
PASSBAND 52 TO 88 MHz	-	-
AMPLITUDE RIPPLE	$\pm .075$ DB	$< \pm .1$ DB
IN/OUT VSWR	1.28:1	$< 1.3:1$
INSERTION LOSS	3.0 DB	< 3.5 DB
GROUP DELAY	4 NS P-P	< 5 NS P-P
STOPBAND REJECTION		
DC TO 30 MHz	70 DB	> 65 DB
105 TO 320 MHz	70 DB	> 65 DB
IMPEDANCE	50 Ω	
OPERATING TEMP.	-20 TO + 85 ° C	

OUTLINE DRAWING



RESPONSE CURVES

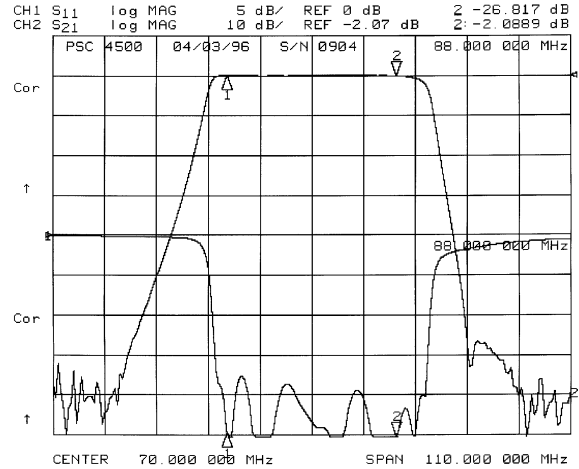


Figure 1: Overall Response

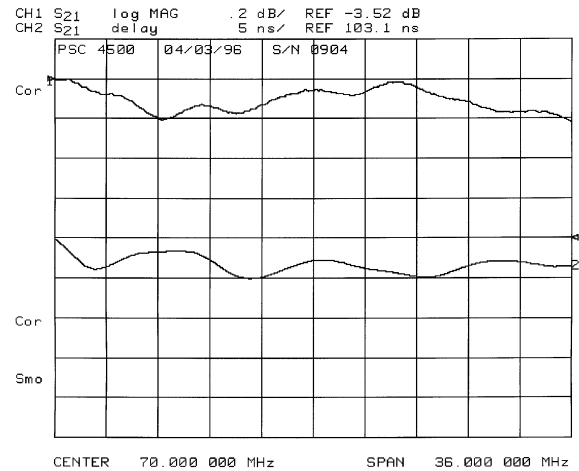


Figure 2: Passband Response



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Precision Supercomponents For Critical Applications

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