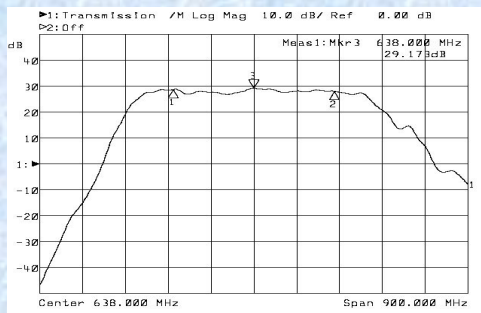


SITCO PA26 Series Preamplifier

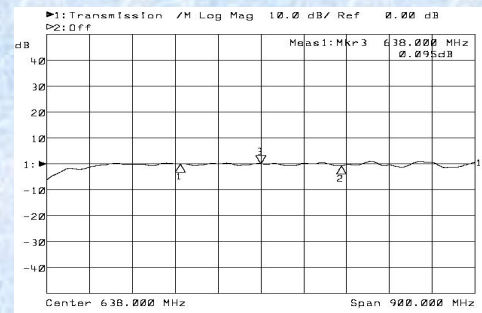
With Failsafe Bypass Mode

Advancing the already legendary performance of the SITCO PA24 series preamplifiers, the PA26 offers improved performance coupled with a proprietary Failsafe Bypass Mode.

The Failsafe Bypass Mode allows the preamplifier to be essentially removed from the circuit from the head end, simply by turning off DC power to the preamp. Already useful for testing and validation, this feature truly comes to shine on the rare occasion that there should be a problem with the preamplifier. By removing the DC power, the unamplified signal is allowed to pass with minimal loss until repairs can be made to the preamp. Likewise, if there is a problem with the DC power supply the preamp will continue to pass signal. All other preamplifiers on the market block all RF throughput if DC is removed, rendering the channel or channels unavailable until repairs, often including a tower climb, can be made.



Preamp in circuit, DC Applied



Preamp in circuit, DC removed

Parameter	PA26-F-UHF	PA26-F-7/13
Frequency Range	450-820 MHz	170-230 MHz
Gain	26 dB	26 dB
Gain Flatness (any one channel)	+/- 0.5 dB	+/- 0.5 dB
Loss in Failsafe Bypass	1 db max.	1 db max.
Noise Figure	1.5 dB	1.7 dB
Return Loss (input/output)	12 dB typ. / 10 dB typ.	15 dB typ. / 12 dB typ.
Max Output @ -60dB IMD	+54 dBmV	+55 dBmV
Output Intercept (OIP3)	+30 dBm	+31 dBm
1dB Output Compression (P1dB)	+11 dBm / +59 dBmV	+11 dBm / +59 dBmV
Power	+12~24 Vdc, 85 mA	+12~24 Vdc, 85 mA
Termination	75 ohm 'F' Standard Type 'N' available	75 ohm 'F' Standard. Type 'N' available.
Mounting Hardware	Fits O.D. from 1.5" to 3"	Fits O.D. from 1.5" to 3"

Power Supply Options

PIK-1X

Small, efficient, cost effective. This power supply solution offers the lowest insertion loss at the lowest price. Truly a cost/performance winner, the PIK-1X incorporates a desktop style 24Vdc/110Vac power supply with removable power supply cord together with a high efficiency sealed power inserter block.

Model	PIK-1X
Input Power	100-240Vac, 50/60 Hz
Output Power	24Vdc, 500mA on Center Conductor
Insertion Loss	<.5dB



PIK-2X



This power supply solution was developed for the occasion when a received antenna signal must be split to feed two independent receivers. The PIK-2X includes a desktop style 24Vdc/110Vac power supply with removable power supply cord together with a power inserter/signal splitter module.

Model	PIK-2X
Input Power	100-240Vac, 50/60 Hz
Output Power	24Vdc, 100mA on Center Conductor
Insertion Loss	4dB / output channel

PS24-Fs

The PS24-Fs includes fusing for both input line voltage and the 24Vdc output voltage to prevent damage to preamp in case of output overload. Front panel LED output indicator allows visual monitoring of operational status.

Model	PS24-Fs
Input Power	115-120Vac, 50/60 Hz
Output Power	24Vdc, 250mA on Center Conductor
Insertion Loss	<1dB

