



LOW CURRENT 410 mA





Drop In replacement for Magnavox/Philips 5 & 6LE

PowerMiserTM

- High Gain 39 dB
- 1/2 the Current Draw of Conventional Amps
- \$8.00 per year average savings on Electric
- Low Noise Figure 7 dB
- High Output 50 dBmV
- **Built in Return Amplifier**
- Standard Interstage EQ's and Pads
- Plug in Diplexers for future split changes
- 100% New Construction with 90 Volt Power Supply
- **Breakthrough Low Current Technology**

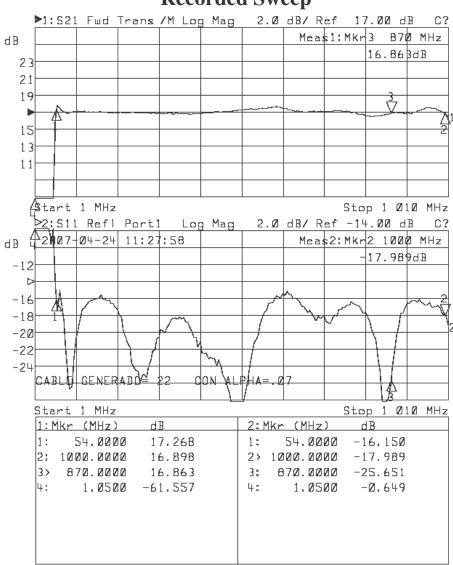
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Specifications in Housing						
Bandwidth	Parameter	Test Conditions	Units	Notes			
Response Flatness	Technology	-	-	-	GaAs	GaAs	
Minimum Full Gain	Bandwidth	-	MHz	-	54-1003	5-40	
Operational Gain	Response Flatness	-	dB	-	+/-0.75	+/-0.5	
Sope Built in Cable Equivalent dB 22 0		-	dB	1	39*	20	
Input Test Points	Operational Gain	-	dB	-	38	19	
Output Test Points - dB 4 -20 +/-1 External on housing Input Return Loss Freq 54-1003 MHz dB 2 - 16 Output Return Loss Freq 54-1003 MHz dB - 16 Loop Isolation - dB - >30 DC Current Draw (max) ©24 Volts DC mA - 410 AC Current Draw (max) 90 VAC mA - 160 60 VAC 50 VAC 200 200 50 VAC 40 VAC 230 200 Distortion Measurements @ rated loading Reference Frequencies - MHz 55/550/870/1GHz T7-T12 Output Levels - dBmV - 35/44/49.5/52 36 Channel Loading - NTSC 3 79 + 450 MHz 4 channels Composite Triple Beat - dBc - 74 86 Composite Second Order dBc - 77 86 Composite Second Order </td <td>Slope Built in</td> <td>Cable Equivalent</td> <td>dB</td> <td></td> <td>22</td> <td>0</td>	Slope Built in	Cable Equivalent	dB		22	0	
Input Return Loss	Input Test Points	-	dB	-	-20 +/-1	-20 +/-1	
S4-1003 MHz	Output Test Points	-	dB	4	-20 +/-1	External on housing	
Output Return Loss Freq 5-40 MHz 54-1003 MHz dB	Input Return Loss	Freq 5-40 MHz	dB	2	-		
Total Tota			1	_	16		
Loop Isolation	Output Return Loss	Freq 5-40 MHz	dB		-	16	
DC Current Draw (max)		54-1003 MHz			16		
Math	Loop Isolation	-	dB	-	> 30		
Composite Triple Beat Composite Second Order Carrier to Noise Carrier to Noise Carrier to Noise Carrier to Noise Castle Ca	DC Current Draw (max)	@24 Volts DC	mA	-	410		
Noise Figure All VAC	AC Current Draw (max)	90 VAC	mA	-	200		
Noise Figure - dB - 7 4.5		60 VAC					
Noise Figure		50 VAC					
Distortion Measurements @ rated loading Reference Frequencies -		40 VAC			290		
Reference Frequencies - MHz 55/550/870/1GHz T7-T12 Output Levels - dBmV - 35/44/49.5/52 36 Channel Loading - NTSC 3 79 + 450 MHz digital or equalivlent 4 channels Composite Triple Beat - dBc - 74 86 Composite Second Order dBc - 77 86 Carrier to Noise dB - 60 74	Noise Figure	-	dB	-	7	4.5	
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Composite Second Order dBc - 77 86 Carrier to Noise dB - 60 74					1	· r	
Carrier to Noise dB - 60 74	A A	-		-			
			+	-			
Cross Modulation dBc - 74 84			dB	-			
	Cross Modulation		dBc	-	74	84	

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Notes:

- 1. Factory alignment with 22 dB cable equivalent, and 17 dB of flat gain. 42 dB gain version available
- 2. All return loss measurements made with 0 dB pads and a #18 gauge wire jumpers in place of the equalizers.
- 3. Distortion measurements made with 79 analog channels and 450 MHz digital channels or equalivlent noise running 6 dB down from an analog equivalent.
- **4.** Resistive -20 dB test points on the housing
- 5. Reverse sweep can be inserted using the output test point of the restive test point on the housing

Recorded Sweep



Available now from stock to 4 weeks

Contact:



843-347-4933

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