

STATIC ELECTRICAL CHARACTERISTICS

Operating Conditions $T_A = 25^\circ\text{C}$, $V_{CC} = +12\text{V}$

Parameter	Symbol	Test Pin	Test Figure	Test Conditions	Limits			Units	
					Min.	Typ.	Max.		
Supply Current	I_{CC}	8	1		11	18	25	mA	
Total Device Dissipation	P_d	—	—				400	mW	
Terminal Voltage (See Note 1)	V_1	1	1	$I_C = 5\text{mA}$		1.4		V	
	V_2	2	1			1.4		V	
	V_3	3	1			2.6		V	
	V_5	5	1			2.0		V	
	V_6	6	1			7.2	7.8	8.3	V
	V_7	7	1				2.0		V

Note 1. All d-c voltage readings are with respect to network ground.

DYNAMIC ELECTRICAL CHARACTERISTICS

Operating Conditions: $T_A = 25^\circ\text{C}$, $V_{CC} = +12\text{V}$, Frequency = 10.7MHz unless otherwise noted

Parameter	Symbol	Test Pin	Test Figure	Test Conditions	Limits			Units
					Min.	Typ.	Max.	
Input Limiting Threshold (at -3dB point)	V_{TH}	1	1			500		μV
Output Voltage Swing	V_{OM}	5	1		110			mVrms
Output Noise Voltage		5	2			4	16	mVrms
Input Impedance								
Parallel Input Resistance	R_{in}	1-2	—		270	330	390	Ω
Parallel Input Capacitance	C_{in}	1-2	—		5	7	10	pF
Output Impedance								
Parallel Output Resistance	R_{out}	5	—		270	330	390	Ω
Parallel Output Capacitance	C_{out}	5	—		5	7	10	pF
Output Voltage Gain	$A_{V_{out}}$	5	1	$V_{in} = 100\text{mVrms}$, $f = 10.7\text{MHz}$	40	50	57	dB
Power Supply Rejection	V_{SR}	5	3	$V_{in} = 250\text{mVrms}$, $f = 100\text{Hz}$		-40		dB

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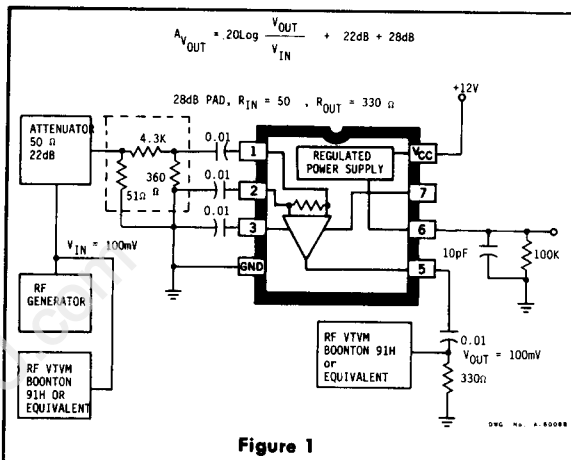


Figure 1

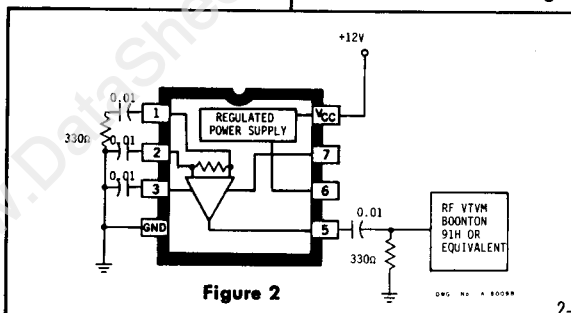


Figure 2

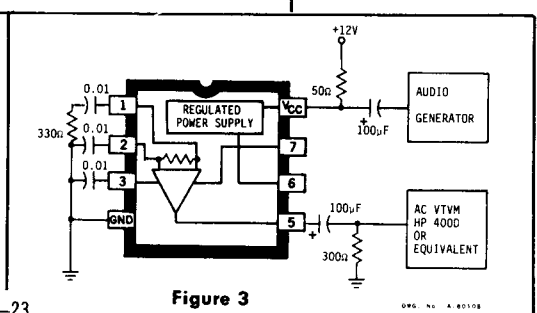


Figure 3