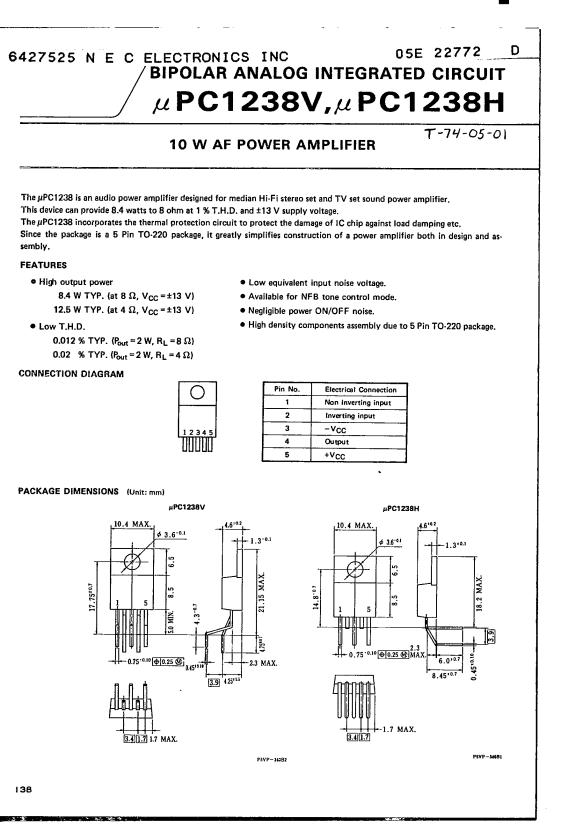
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ABSOLUTE MAXIMUM RATINGS (Ta=25 °C)

OLUTE MAXIMUM RATINGS (T _a =25 °C)			T-74-05-01		
Supply Voltage (Quiescent)	Vcc	±18	v		
Supply Voltage (Operational)	Vcc	±15	v		
Circuit Current	CC(peak)	4	Α		
Package Dissipation	PD	*25	w		
Junction Temperature	т _і	150	°C		
Operating Temperature	Topt	-20 to +65	°C		
Storage Temperature	Tstg	-40 to +150	°C		
Thermal Resistance Junction to Case	Rth (j-c)	3.4	°c/w		
[*] T _{tab} ≈ 65 °C					

RECOMMENDED OPERATING CONDITIONS (T_a = 25 °C)

CHARACTERISTIC	SYMBOL	MIN.	ΤYP.	MAX.	UNIT
Operating Supply	Vcc	±6	±13	±15	v
Terminated Input Resistance	RiN	47	56	100	kΩ
Closed Loop Voltage Gain	Av	20	35		dB
Load Impedance	RL	4	8		Ω

ELECTRICAL CHARACTERISTICS

(Refer to the test circuit : T_a = 25 °C, V_{CC} = ±13 V, A_v = 35 dB, R_G = 600 Ω , R_L = 8 Ω)

CHARACTERISTIC	SYMBOL	MIN.	· TYP.	MAX.	UNIT	TEST CONDITIONS
Output Offset Voltage	VOFF	-100	0	+100	mV	No Signal
Circuit Current	ICC	30	60	130	mA	No Signal
Output Power	Po	7	8.4		w	T.H.D.=1 %, f=1 kHz
Total Harmonic Distortion	T.H.D.		0.2	1	%	f=40 Hz 15 kHz P _O =0.17 W
Open Loop Voltage Gain	Avo		83		dB	P _O =0.1 W, f=500 Hz
Equivalent Input Noise Voltage	V _{NI}		3	10	μV _{r.m.s.}	Rg=2.2 kΩ f=40 Hz – 15 kHz(–3 dB)
Power Band Width	P.B.W.		75		kHz	P _O =0.1 W, -3 dB
Supply Voltage Rejection Ratio	S.V.R.	45	51		dB	f = 100 Hz, RG = 2.2 kΩ

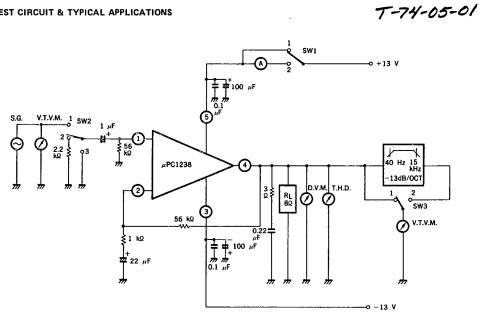
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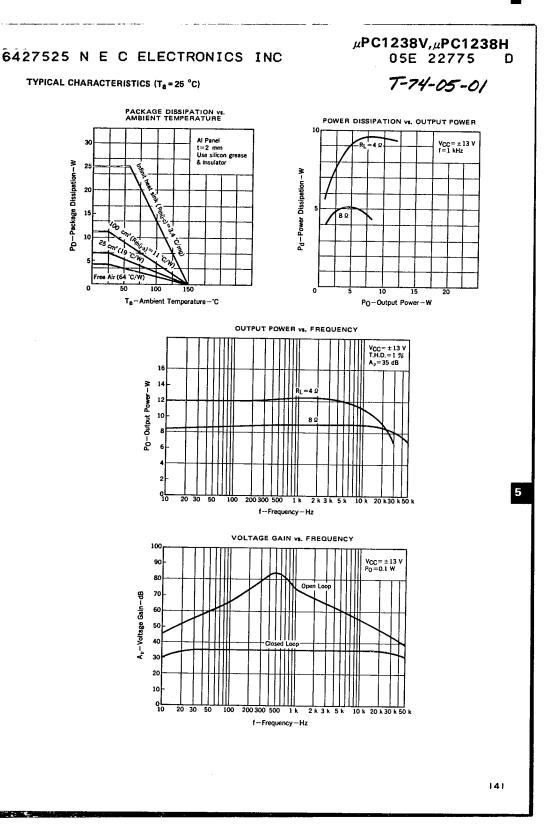
TEST CIRCUIT & TYPICAL APPLICATIONS

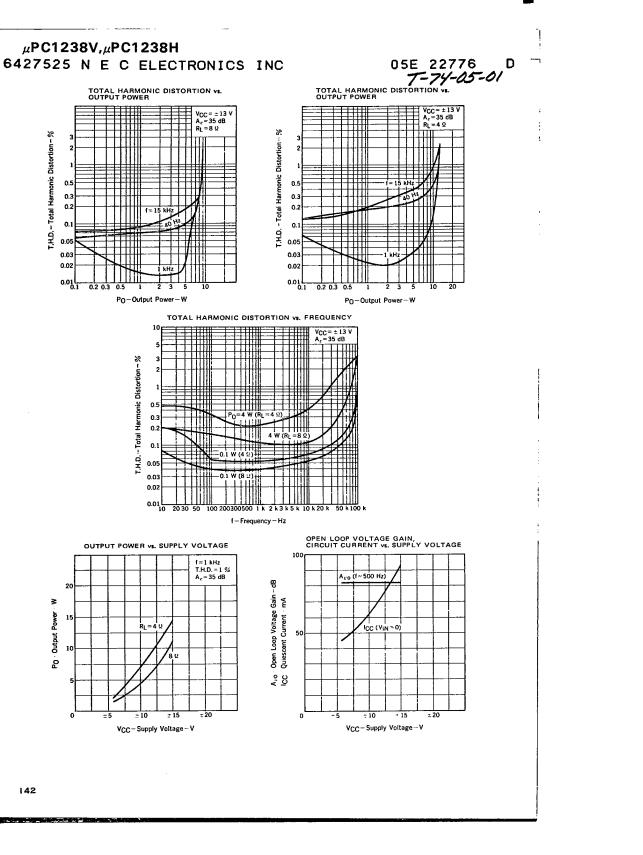


Switch Position

TEST ITEM	SYMBOL	SW1.	SW2.	SW3.
TEST ITEM	STMBOL	SWI.	5442.	3143.
Output Offset Voltage	VOFF	1	3. 3. 1.	1 1 1
Circuit Current	Icc	2		
Output Power	Po	1		
Total Harmonic Distortion	T.H.D.	1	1	1
Equivalent Input Noise Voltage	VNI	1	2	2
Supply Voltage Rejection Ratio	S.V.R.	1	2	1

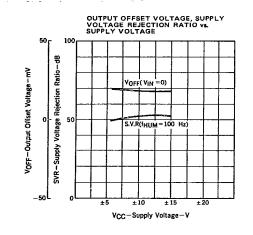
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