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## NTE1347 Integrated Circuit Module, Hybrid, Dual Audio Power Amp, 20W/Ch, 2 Power Supplies Required

**Absolute Maximum Ratings:** ( $T_A = +25^\circ\text{C}$  unless otherwise specified)

Maximum Supply Voltage,  $V_{CC\text{max}}$  .....  $\pm 32\text{V}$   
Operating Case Temperature,  $T_C$  .....  $+105^\circ\text{C}$   
Storage Temperature,  $T_{\text{stg}}$  .....  $-30^\circ$  to  $+105^\circ\text{C}$   
Allowable Load Shorting Time (in appointed condition),  $t_s$  ..... 2sec

**Recommended Operating Conditions:** ( $T_A = +25^\circ\text{C}$  unless otherwise specified)

Recommended Supply Voltage,  $V_{CC}$  .....  $\pm 23\text{V}$   
Load Resistance,  $R_L$  ..... 8 ohms

**Electrical Characteristics:** ( $T_A = +25^\circ\text{C}$ ,  $R_g = 600\Omega$ ,  $V_G = 40\text{dB}$  unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	$I_{CCO}$	$V_{CC} = \pm 23\text{V}$	–	–	120	mA
Power Out	$P_O$	THD = 0.08%, $f = 20\text{Hz}$ to $20\text{kHz}$	20	–	–	W
Total Harmonic Distortion	THD	$P_O = 1.0\text{W}$ , $f = 20\text{Hz}$ to $20\text{kHz}$	–	–	0.08	%
Frequency Response	$f$	$P_O = 1.0\text{W}$	10 to 100k			Hz
Source Impedance	$r_i$	$P_O = 1.0\text{W}$ , $f = 1\text{kHz}$	–	32	–	$k\Omega$

**Pin Connection Diagram**  
(Front View)

<b>16</b>	Rt Ch Input
<b>15</b>	Rt Ch Feedback
<b>14</b>	GND
<b>13</b>	Rt Ch Bias
<b>12</b>	(-) V <sub>CC</sub> 2
<b>11</b>	Rt Ch Feedback
<b>10</b>	Rt Ch Output
<b>9</b>	(+) V <sub>CC</sub> 2
<b>8</b>	(+) V <sub>CC</sub> 1
<b>7</b>	Lt Ch Output
<b>6</b>	Lt Ch Feedback
<b>5</b>	(-) V <sub>CC</sub> 1
<b>4</b>	Lt Ch Bias
<b>3</b>	GND
<b>2</b>	Lt Ch Feedback
<b>1</b>	Lt Ch Input

