

NTE1498 Integrated Circuit Dual Peak Power Meter Driver

Features:

- Dynamic Range: 40dB Typ
- Wide Range Meter for the 1/4 Root Compression
- Single and Dual Power Supply Operation
- Built-In Zener Diode Providing Stable Operation to Variations in Supply Voltage
 (Zener Voltage: $\pm 8.5V$)
- Two Built-In Channels – Excellent for Matching Characteristics for Stereo

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

Supply Current, I_{CC}	20mA
Power Dissipation, P_D	700mW
Derate Above $25^\circ C$	7mW/ $^\circ C$
Operating Temperature Range, T_{opr}	-25° to $+75^\circ C$

Electrical Characteristics: ($V_{CC} - V_{EE} \pm 25V$, $T_A = +25^\circ C$, $f = 1kHz$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCQ}	$I_{IN} = 0, V_9 = 7V, V_5 = -7V$	–	2.1	3.0	mA
Quiescent Output Current	I_{OQ}	Input Short	–	–	1	μA
Channel Balance	CH.B	$I_{IN} = -100\mu A$	–	–	1.4	dB
Input Resistance	R_{IN}		–	2	–	k Ω
Channel Separation	$I_{OUT(sep)}$	$I_{IN} = 1mA$	–	-60	–	dB
Output Current	I_{OUT}	$I_{IN} = -100\mu A$	1.6	2.1	2.6	mA
Min Input Current	$I_{IN(Min)}$		–	7	–	μA
Max Input Current	$I_{IN(Max)}$		–	–	2	mA
Hold Terminal Voltage	V_H	Input Short, Note 1	25	–	150	mV

Note 1. The hold terminal voltage is classified into two ranks as follows:

- $V_H -1$: 25 to 65mV
- $V_H -2$: 45 to 150mV

Pin Connection Diagram
(Front View)

