ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

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: ±8.5V)
- Two Built–In Channels – Excellent for Matching Characteristics for Stereo

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Current, I_{CC} 20mA

Power Dissipation, P_D 700mW

Derate Above 25°C . . . . . 7mW/°C

Operating Temperature Range, T_{opr} . . . . . –25° to +75°C

Electrical Characteristics: ($V_{CC} – V_{EE}$ ±25V, T_A = +25°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} = –100µA	–	–	1.4	dB
Input Resistance	R_{IN}		–	2	–	kΩ
Channel Separation	$I_{OUT(sep)}$	I_{IN} = 1mA	–	–60	–	dB
Output Current	I_{OUT}	I_{IN} = –100µA	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)