I-TECH SERIES

I-T4000

AC Power Draw and Thermal Dissipation

This datasheet provides detailed information about the amount of power and current drawn from the AC mains by the I-T4000 amplifier, and the amount of heat produced under various conditions. The measurements presented here are intended to provide a realistic and reliable depiction of the amplifier.

I-Tech 4000 AC Current Draw and Thermal Dissipation:
Pink noise 12dB crest factor, bandwidth limited 22Hz to 22kHz.
Typical line impedance used.
Data based on both channels driven.

I-T4000										
		120VAC		208VAC		230VAC			Thermal Dissipation	
	Load	Line Current 120VAC	Watts Out Per 1A Amp Line Current	Line Current 208VAC	Watts Out Per 1A Amp Line Current	Line Current 230VAC	Watts Out Per 1A Amp Line Current	Watts Dissipated	Btu/hr	kcal/hr
Idle (sleep mode)		0.8		0.95		0.9		53	182	157
Idle (awake)		1.6		1.4		1.3		172	587	505
1/8th Power Pink Noise Typical of program material just at clip.	8 Ohms/Ch. 16 Ohms Bridge	5.3	59.6	3.4	94.6	3.1	102.6	305	1040	262
	4 Ohms/Ch. 8 Ohms Bridge	7.8	64.9	4.7	106.9	4.4	116.3	414	1413	356
	2 Ohms/Ch. 4 Ohms Bridge	8.0	58.1	4.8	96.1	4.4	106.0	476	1625	410
1/3rd Power Pink Noise Typical of program material with severe clipping.	8 Ohms/Ch. 16 Ohms Bridge	10.9	77.1	6.6	126.2	6.0	139.9	437	1491	376
	4 Ohms/Ch. 8 Ohms Bridge	17.8	77.0	10.5	129.1	9.5	142.1	711	2426	612
	2 Ohms/Ch. 4 Ohms Bridge	17.7	70.3	10.7	115.3	9.4	128.7	824	2814	709

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