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NTE1197 Integrated Circuit OSC and 12-Stage Divider

Description:

The NTE1197 is an integrated circuit in a 9-Lead SIP type package consisting of a 12 stage frequency divider and an amplifier for use in crystal oscillator applications. This device is designed to operate with an input frequency of 10.24MHz. Available reference dividing ratios are 2⁸, 2¹⁰, 2¹¹ and 2¹².

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

Supply Voltage, V _{DD}	10V
Input Voltage, V _{IN}	-0.3 to V _{DD} + 0.3V
Operating Temperature Range, T _{opr}	-30 to +75°C
Storage Temperature Range, T _{stg}	-55 to +125°C

Electrical Characteristics: (T_A = -30° to 75°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Operating Supply Voltage	V _{DD}	X'tal = 10.24MHz	4.5	-	8.0	V
Operating Current	I _{DD}	X'tal = 10.24MHz V _{DD} = 7.5V	-	-	7.0	mA
Output Voltage High Level	V _{OH}	V _{DD} = 7.5V, I _{OL} = 50µA, Pin4, Pin6, Pin7, Pin8	7.3	-	-	V
Output Voltage Low Level	V _{OL}	V _{DD} = 7.5V, I _{OH} = -50µA, Pin4, Pin6, Pin7, Pin8	-	-	0.2	V
Maximum Clock Frequency	f _{MAX}	V _{DD} = 7.5V	10.24	-	-	MHz
PIN Output Voltage	V _{OUT}	V _{DD} = 7.5V, C _L = 15pF, X'tal = 10.24MHz	3.5	-	-	V _{P-P}



