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

NTE1487
Integrated Circuit
AM RF Converter, IF Amp

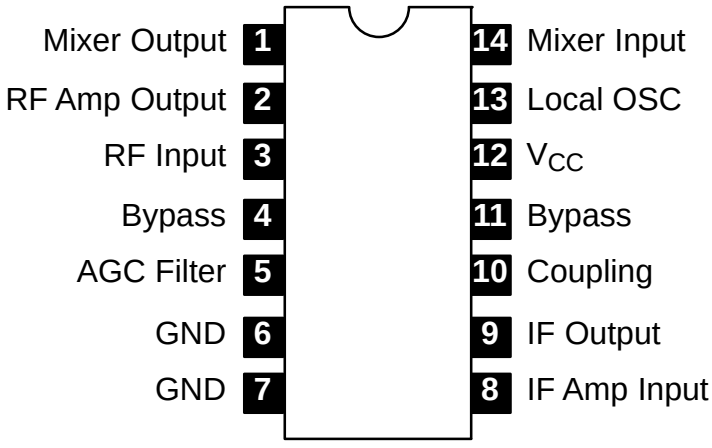
Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

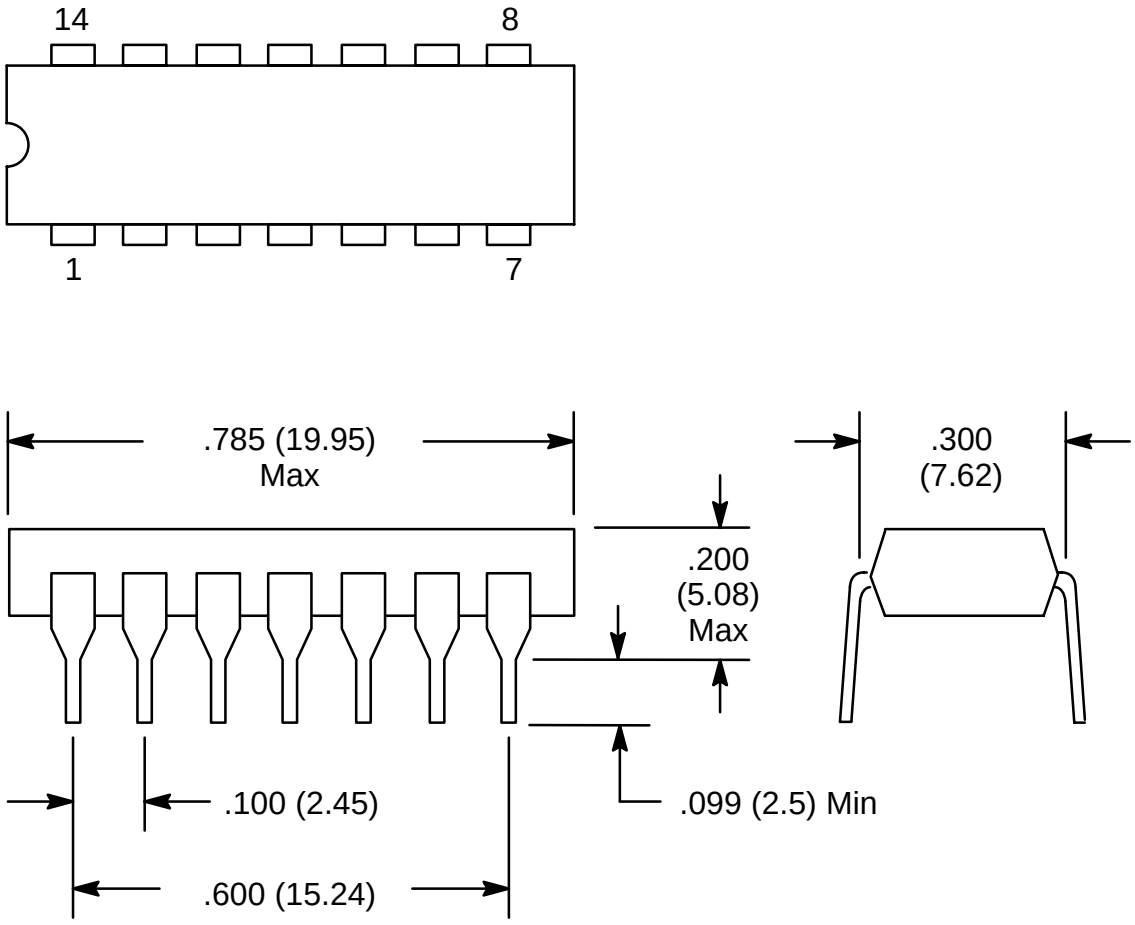
Supply Voltage, V_{CC} 16V
Power Dissipation, P_D 280mW
Operating Temperature Range, T_{opr} . . . . . –20° to +75°C
Storage Temperature Range, T_{stg} . . . . . –55° to +125°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 12V unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reference Zener Voltage	V_Z		6.5	–	8.84	V
Current Out Mixer Stage	$I_{O(MIX)}$		43	–	320	μA
Voltage Out RF Stage	$V_{O(RF)}$	Pin 3–2 Gain f = 455kHz, V_i = 10mV_{rms}	63	–	132	mV
Voltage Out Osc Stage	$V_{O(OSC)}$	f = 1.455MHz	147	–	213	mV
Voltage Out IF Stage	$V_{O(IF)}$	Pin 8–9 Gain f = 455kHz, V_i = 10mV_{rms}	179	–	323	mV

Pin Connection Diagram




14
8
1
7
.785 (19.95)
Max
.200
(5.08)
Max
.300
(7.62)
.100 (2.45)
.600 (15.24)
.099 (2.5) Min