



ELECTRONICS, INC.
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NTE1487 Integrated Circuit AM RF Converter, IF Amp

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

Supply Voltage, V_{CC}	16V
Power Dissipation, P_D	280mW
Operating Temperature Range, T_{opr}	-20° to $+75^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55° to $+125^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 12\text{V}$ 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 $f = 455\text{kHz}$, $V_i = 10\text{mV}_{rms}$	63	–	132	mV
Voltage Out Osc Stage	$V_{O(OSC)}$	$f = 1.455\text{MHz}$	147	–	213	mV
Voltage Out IF Stage	$V_{O(IF)}$	Pin 8–9 Gain $f = 455\text{kHz}$, $V_i = 10\text{mV}_{rms}$	179	–	323	mV

Pin Connection Diagram



