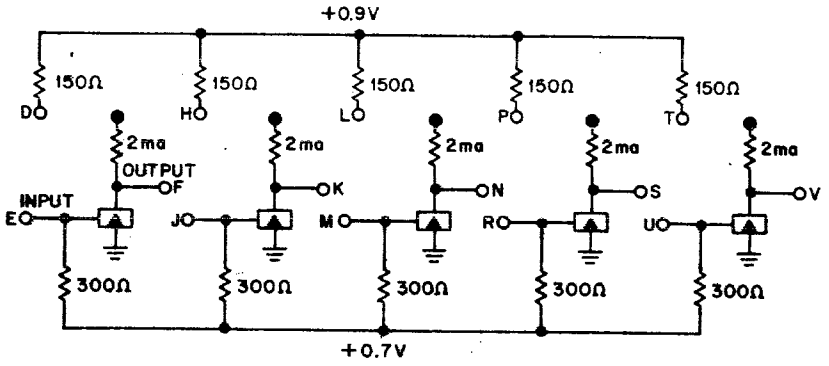
IBM N LINE TO DEC CONVERTER
TYPE W590

W SERIES



W590 IBM N LINE TO DEC CONVERTER

Each of the 5 inverting amplifiers on this module provides input characteristics compatible with three types of IBM N Lines. Input impedance is nominally 300 ohms, with 100 ohm impedance available by connecting 150 ohm shunts provided. Each circuit has a switching threshold near zero volts, with input biasing included to maintain a definite output state when the input is open-circuited.

Unshunted inputs will tolerate input excursions up to +4v and −6v, so these circuits may also be used to convert IBM T, D, or Q lines if the IBM circuits involved can safely drive the W590 input loads.

INPUTS:

IBM Line	Floating Input	Lower Level	Input Impedance
N Transmission	+0.8v	(@ −23 ma) −1.5v	(shunted) 100 Ω
C Line	+0.7v	(@ −12 ma) −2.6v	300 Ω
N Logic	+0.7v	(@ −6 ma) −0.8v	300 Ω

Maximum input voltages: Unshunted (300 Ω) inputs: +4v, −6v; Shunted (100 Ω) inputs: ±4v.

OUTPUTS: 18 ma at ground. 1 ma at −3v.

POWER: +10v(A)/40 ma; −15v(B)/23 ma.

W590 — $26.00