



COMPONENT NEWS

PREPRODUCTION ENGINEERING

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INTEGRATED CIRCUIT SEMINAR

FAIRCHILD will hold an Integrated Circuit Seminar at the Portland Motor Hotel, 1414 S.W. 6th, on August 11. *Ten new linear IC's will be introduced.*

The Seminar will start at 8:30 and break for lunch at 11:30. Anyone interested may attend. Reservations are not required.

For further information call Ext 6520.

-Don Roberts

LEAD ARRANGEMENT FOR TTL CIRCUITS

TEKTRONIX part numbers have been assigned to seventeen IC's in the *TEXAS INSTRUMENTS* "74N" family.

The "N" at the end of the vendor part number (i.e. SN7400N, etc.) indicates the dual in-line package. Series 74(no N) IC's have the same electrical characteristics, but have a different package (flat package) and different lead configuration. Be sure to look for the 74N (not 74) series pin configuration when using these IC's.

For further information call Ext 7262.

-Bill Markwart

UNIUNCTION TRANSISTORS

Two unijunction transistor part numbers have been set up for use at *TEKTRONIX*. Specifications are outlined below.

151-0504-00 2N4851 (<i>MOTOROLA</i>)		MIN	MAX
Interbase Voltage	V_{B2B1}		35.0 V
Peak Pulse Emitter Current	i_e		1.5 A
Intrinsic Standoff Ratio	η	0.56	0.75
Interbase Resistance	R_{BB}	4.7	9.1 K Ω
Emitter Reverse Current	I_{EB20}		0.1 μ A
Peak-Point Emitter Current	I_p		2.0 μ A
Valley-Point Current	I_V	2.0	mA

Samples of the 2N4852 and 2N4853 (higher η) are also available.

151-0508-00 D13T1 (*GENERAL ELECTRIC*)
(See COMPONENT NEWS #71 for additional description)

Anode-Cathode Voltage		40.0 V
Peak Anode Current		2.0 A
Capacitive Discharge Energy		250.0 μ J
Anode Leakage Current		10.0 nA
Peak Current ($R_G = 1$ Meg)	I_p	2.0 μ A
Valley Current ($R_G = 1$ Meg)	I_V	50.0 μ A

Samples of the D13T2 (lower leakage) are also available.

For fixed component timing circuits, the 151-0508-00 is recommended when timing accuracy within 25% is required.

For additional information or samples of these or other unijunctions, please see me or call Ext 7263.

-Jim Kassebaum