



**MAXIMUM RATINGS**

Rating	Value	Unit
Supply Voltage - $V_{cc}$	10	Volts
Input Voltage - $V_{in}$	10	Volts
Output Voltage - $V_{out}$	7	Volts
Ambient Operating Temperature - $T_{stg}$	-65 to +175	°C
Ambient Storage Temperature - $T_{opg}$	-55 to +125	°C

**Raytheon Integrated Circuits**  
200 Series

DTL silicon planar epitaxial monolithic integrated circuits for digital systems.

**PACKAGING AVAILABLE**  
(See page 52):  
C - 14-LEAD DUAL INLINE  
D - 14-LEAD FLAT PACK

**FUNCTIONS AND CHARACTERISTICS**

Function	Type	Fan-out Minimum	Switching Time TAVS	Power (AVE) Consumption
Dual NAND Gate	201,211 221, 231	11	32	19
R-S Flip-Flop	202, 212	10	32	19
Single NAND Gate	204, 214, 224	11	38	9.5
Triple NAND Gate	206, 216	11	32	28.5
Dual NAND Line Driver*	210	22	75	60
Pulse Binary Counter*	213	9	65	50
J-K Flip-Flop	215, 225	9	80	56
Triple NAND Gate	226, 236	11	40	45
Single NAND Gate	234	11	40	15
Dual NAND Gate	241, 261	11	40	30
Quad NAND Gate	246	11	32	38
Quad NAND Gate	266	11	40	60
Sextuple NAND Gate	286	11	32	57
Sextuple NAND Gate	296	11	40	90
Dual NAND Gate	220	-	-	-
Multivibrator	208, 288	-	-	-
Diode Arrays	217, 227	-	-	-

\*Devices have different max ratings from above table.

DTL

T-90-20

## PACKAGING INFORMATION

### Per MIL-M-38510 Package Case Outline

Lansdale's products come in the following configurations. On each of the product pages in the catalog, there is a package box. The letters in that box correspond to one of the letters below. This provides a description of the packages.

LETTER	DESIGNATION	DESCRIPTION
A*	F-1	14-LEAD FLAT PACK (1/4" X 1/4")
B	F-3	14-LEAD FLAT PACK (3/16" X 1/4")
C*	D-1	14-LEAD DUAL INLINE (1/4" X 3/4")
D*	F-2	14-LEAD FLAT PACK (1/4" X 3/8")
E*	D-2	16-LEAD DUAL INLINE (1/4" X 7/8")
F*	F-5	16-LEAD FLAT PACK (1/4" X 3/8")
G	A-1	8-LEAD CAN
H*	F-4	10-LEAD FLAT PACK (1/4" X 1/4")
I*	A-2	10-LEAD CAN
J*	D-3	24-LEAD DUAL INLINE (1/2" X 1 1/4")
K*	F-6	24-LEAD FLAT PACK (3/8" X 5/8")
L	D-9	24-LEAD DUAL INLINE (1/4" X 1 1/4")
M*	A-3	12-LEAD CAN
P	D-4	8-LEAD DUAL INLINE (1/4" X 3/8")
Q*	D-5	40-LEAD DUAL INLINE (9/16" X 2 1/16")
R*	D-8	20-LEAD DUAL INLINE (1/4" X 1 1/16")
S	F-9	20-LEAD FLAT PACK (1/4" X 1/2")
V	D-6	18-LEAD DUAL INLINE (1/4" X 15/16")
W	D-7	22-LEAD DUAL INLINE (3/8" X 1 1/8")
Y*	D-10	28-LEAD DUAL INLINE (1/2" X 1 1/2")

\* LANSDALE STANDARD PACKAGES

**CONTACT FACTORY FOR OTHER PACKAGE QUOTES**