



**HARRIS
INTEGRATED CIRCUITS
BIPOlar PROM
7600 Series**

The 7600 Series of Bipolar PROMs is manufactured using the Bipolar Junction Isolation process with reliability proven nickel chromium fusible links.

A shallow, diffused, self-aligned emitter process, combined with two level aluminum interconnect is employed. This state-of-the-art process technology has been deployed to produce large format devices with the high speed and versatility required.

MAXIMUM RATINGS

Rating	Value	Unit
Output or Supply Voltage - V_{CC}	-.3 to 7	V
Address/Enable Input Voltage	5.5	V
Address/Enable Input Current	-20	mA
Storage Temperature - T_{stg}	-65 to +175	°C
Maximum Junction Temperature	+175	°C

PACKAGING AVAILABLE (See page 88):	
E - 16-LEAD DUAL INLINE	F - 16-LEAD FLAT PACK
R - 20-LEAD DUAL INLINE	S - 20-LEAD FLAT PACK
J - 24-LEAD DUAL INLINE	K - 24-LEAD FLAT PACK
V - 18-LEAD DUAL INLINE	

**FUNCTIONS AND
CHARACTERISTICS**

FUNCTION	TYPE/PKG	ORGANIZATION	ADDRESS ACCESS TIME (MAX) ns	CHIP ENABLE ACCESS TIME (MAX) ns
Open Collector Outputs	7602/E	32x8	60	50
"3-State" Outputs	7603/E	32x8	60	50
Open Collector Outputs	7610/E,F	256x4	75	30
Open Collector Outputs	7610A/E,F	256x4	65	30
Open Collector Outputs	7610B/E,F	256x4	50	30
"3-State" Outputs	7611/E,F	256x4	75	30
"3-State" Outputs	7611A/E,F	256x4	65	30
"3-State" Outputs	7611B/E,F	256x4	50	30
Open Collector Outputs	7620/E,F	512x4	85	30
Open Collector Outputs	7620A/E,F	512x4	70	30
Open Collector Outputs	7620B/E,F	512x4	55	30
"3-State" Outputs	7621/E,F	512x4	85	30
"3-State" Outputs	7621A/E,F	512x4	70	30
"3-State" Outputs	7621B/E,F	512x4	55	30

FUNCTION	TYPE/PKG	ORGANIZATION	ADDRESS ACCESS TIME (MAX) ns	CHIP ENABLE ACCESS TIME (MAX) ns
Open Collector Outputs	7640/J,K	512x8	85	50
Open Collector Outputs	7640A/J,K	512x8	60	45
"3-State" Outputs	7641/J,K	512x8	85	50
"3-State" Outputs	7641A/J,K	512X8	60	45
Open Collector Outputs	7642/V	1024x4	85	30
Open Collector Outputs	7642A/V	1024x4	70	30
Open Collector Outputs	7642B/V	1024x4	55	30
"3-State" Outputs	7643/V	1024x4	85	30
"3-State" Outputs	7643A/V	1024x4	70	30
"3-State" Outputs	7643B/V	1024x4	55	30
Active Pull-up Outputs	7644A/E,F	1024x4	60	—
Generic PROM	7649/R,S	512x8	85	50
High Speed Generic PROM	7649A/R,S	512x8	60	45
Generic PROM	7681/J,K	1024x8	90	50
High Speed Generic PROM	7681A/J,K	1024x8	50 (0±75°C)	35
Generic PROM	7685/V	2048x4	90	50
High Speed Generic PROM	7685A/V	2048x4	60	35
Generic PROM	76161/J,K	2048x8	80	50
High Speed Generic PROM	76161A/J,K	2048x8	50 (0±75°C)	40
Very High Speed Generic PROM	76161B/J,K	2048x8	—	—
Generic PROM	76165/R,S	4096x4	80	50
Generic PROM	76321/J,K	4096x8	85	40
Generic PROM	76641/J,K	8192x8	100	45
High Speed Generic PROM	76641A/J,K	8192x8	—	—

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



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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
N	D-14	48-LEAD DUAL INLINE
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")
T	D-12	50-LEAD DUAL INLINE
U	D-13	64-LEAD DUAL INLINE
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")

CONTACT SALES FOR OTHER PACKAGE QUOTES