





Integrated Device Technology, Inc.  
2975 Stender Way, Santa Clara, CA - 95054

PCN#: SM-9912-01

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT

**PCN Summary**

**PCN Type:** Data Sheet

**Commodity:** Memory

**Due Date:** 1/10/00 (Response from Customer)

**Forecast or Execute:** Execute

**Planned or Unplanned:** Unplanned

**Data Sheet Change:** Yes

**Detail of Change**

3.3V product was previously a component test option. The fab process is being converted to a true 3.3V process and will allow for increased speed in order to offer 15ns product. Power and current values will be increased. Refer to page 3 of attachment.

**Conversion schedule (Estimated)**

<b>Affected Part Numbers</b>	<b><u>Sample Availability</u></b>	<b><u>Production Shipments</u></b>
70V25V	1/15/00	3/6/00
70V24V	1/15/00	3/6/00
70V06V	1/15/00	3/6/00
70V05V	1/15/00	3/6/00



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**Qualification Plan QSM-9908-09**

**Test Vehicle: 70V25V**

**Expected Completion Date:**

1/15/00      2/15/00

	Lot SS / Acc #	Lot # 1	Lot # 2
Dynamic Life Test: 750 hours @ +135°C, 6Vcc	116 / 0		
HAST: 100 hours @ +130°C/85% R.H. 100 hours. Biased	45 / 0		
ESD: Human Body Model	12 / 0		
ESD: Charged Device Model	12 / 0		
Latch-Up Immunity	6 / 0		

**Characterization Data:** Characterization data will be completed as part of product qualification and data available upon request.



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70V25, 70V24, 70V06, 70V05

Data Sheet Changes

		25ns		35ns		55ns		Units
Icc	Commercial	Typ.	Max.	Typ.	Max.	Typ.	Max.	
	S	130	190	120	180	120	180	mA
	L	125	165	115	155	115	155	mA
		25ns		35ns		55ns		Units
Isb1	Commercial	Typ.	Max.	Typ.	Max.	Typ.	Max.	
	S	16	30	13	25	13	25	mA
	L	13	25	11	20	11	20	mA
		25ns		35ns		55ns		Units
Isb2	Commercial	Typ.	Max.	Typ.	Max.	Typ.	Max.	
	S	75	110	70	100	70	100	mA
	L	72	95	65	90	65	90	mA
		25ns		35ns		55ns		Units
Isb3	Commercial	Typ.	Max.	Typ.	Max.	Typ.	Max.	
	S	1	5	1	5	1	5	mA
	L	0.2	2.5	0.2	2.5	0.2	2.5	mA
		25ns		35ns		55ns		Units
Isb4	Commercial	Typ.	Max.	Typ.	Max.	Typ.	Max.	
	S	75	105	65	100	65	100	mA
	L	70	90	60	85	60	85	mA