



PRODUCT BULLETIN
Generic Copy

31-MAR-2004

SUBJECT: ON Semiconductor Product Bulletin #13390

TITLE: MDC3105LT1 Datasheet Update

EFFECTIVE DATE: 31-Mar-2004

AFFECTED PRODUCT DIVISION: Power Products

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:
Contact Sales Representative or Shirley Chang <FFM3GC@onsemi.com>

NOTIFICATION TYPE:

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact your local ON Semiconductor sales office.

DESCRIPTION AND PURPOSE:

This is a Product Bulletin announcing ON Semiconductor is making a change to the MDC3105LT1 datasheet. The datasheet will be updated to reflect the following parameters being respecified from -40C, to 25C. There is no change in the product performance. With the new 25C spec, parts will be tested for these three parameters to guarantee performance. The 25C limits were set to guarantee the same performance as the -40C specification.

Current Specifications

	Unit	Min	Typ	Max
I _{in} , Input Bias Current (I _o =250mA, V _o =0.25Vdc, T _a =-40C)	mA	--	1.5	2.5
V _{o(sat)} , Output Saturation Voltage (I _o =250mA, I _{in} =1.5mA, T _a =-40C)	V	--	0.25	0.4
I _{o(on)} , Output Sink Current - Continuous (V _{ce} =0.25V, I _{in} =1.5mA, T _a =-40C)	mA	200	250	--

New Specifications

	Unit	Min	Typ	Max
I _{in} , Input Bias Current (I _o =250mA, V _o =0.25Vdc, T _a =25C)	mA	--	0.8	1.6
V _{o(sat)} , Output Saturation Voltage (I _o =250mA, I _{in} =1.5mA, T _a =25C)	V	--	0.12	0.16
I _{o(on)} , Output Sink Current - Continuous (V _{ce} =0.25V, I _{in} =1.5mA, T _a =25C)	mA	250	400	--

AFFECTED DEVICE:
MDC3105LT1