



PRODUCT BULLETIN
Generic Copy

19-Dec-2005

SUBJECT: ON Semiconductor Product Bulletin #15182

TITLE: Family Specification Update for NBSG53A, NBSG72A and NBSG86A

EFFECTIVE DATE: 19-Dec-2005

AFFECTED PRODUCT DIVISION: Analog Power Management Products

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor sales office or Clarence Rebello <ffbwpn@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:

ON Semiconductor is generating a Family Specification for the NBSG53A, NBSG72A and NBSG86A devices. These limits for VOL and Voutpp are applied across the NBSG53A, NBSG72A and NBSG86A which all share a common OLS design. This corrects datasheet errata for these devices.

CONDITION	Voltage Range	VOL Upper Limit		
		- 40°C	25°C	85°C
OLS = VCC-0.4	-3.465<VEE<-3.0 V	-1120	-1085	-1060
OLS = VCC-0.4	-3.0<VEE<-2.375 V	-1115	-1080	-1055
OLS = VCC-1.2	-3.465<VEE<-3.0 V	-910	-880	-855
OLS = VCC-1.2	-3.0<VEE<-2.375 V	-915	-880	-860
OLS = VEE	-3.465<VEE<-3.0 V	-1305	- 270	-1240
OLS = VEE	-3.0<VEE<-2.375 V	-1285	-1250	-1225

CONDITION	Voltage Range	Voutpp Lower Limit		
		- 40°C	25°C	85°C
OLS = VCC	-3.465<VEE<-3.0 V	705	695	690
OLS = VCC	-3.0<VEE<-2.375 V	670	660	655
OLS = VCC-0.8, FLOAT	-3.465<VEE<-3.0 V	535	530	525
OLS = VCC-0.8, FLOAT	-3.0<VEE<-2.375 V	510	505	500

VOH Upper Limit is -940 at -40°C
PECL Limits will reflect NECL values above.

OLS is Output Level Select



Product Bulletin #15182

AFFECTED DEVICE LIST

PART

NBSG53ABA
NBSG53ABAG
NBSG53ABAR2
NBSG53ABAR2G
NBSG53AMN
NBSG53AMNG
NBSG53AMNR2
NBSG53AMNR2G
NBSG72AMN
NBSG72AMNG
NBSG72AMNR2
NBSG72AMNR2G
NBSG86ABA
NBSG86ABAG
NBSG86ABAR2
NBSG86ABAR2G
NBSG86AMN
NBSG86AMNG
NBSG86AMNR2
NBSG86AMNR2G