



# 4.7

## DC Performance Specifications

**Table 4–15. VMEbus Signals (A[7:0], D[7:0])**

Parameter	Description	Test Conditions	Comm.	Industrial	Military	Units
$V_{IH}$	Minimum High-Level Input Voltage		2.0	2.0	2.0	V
$V_{IL}$	Maximum Low-Level Input Voltage		0.8	0.8	0.8	V
$V_{OH}$	Minimum High-Level Output Voltage	$V_{CC} = \text{Min.}$ , $I_{OH} = -3 \text{ mA}$	2.4	2.4	2.4	V
$V_{OL}$	Maximum Low-Level Output Voltage	$V_{CC} = \text{Min.}$ , $I_{OL} = 48 \text{ mA}$	0.6	0.6	0.6	V
$I_L$	Maximum Input Leakage Current	$V_{CC} = \text{Max.}$ , $V_{IN} = 0.6-2.4$	$\pm 5$	$\pm 5$	$\pm 5$	$\mu\text{A}$
$V_{IK}$	Input Clamp Voltage	$V_{CC} = \text{Min.}$ , $I_{IN} = -18 \text{ mA}$	-1.2	-1.2	-1.2	V
		$I_{IN} = 18 \text{ mA}$	$V_{CC}+1.2$	$V_{CC}+1.2$	$V_{CC}+1.2$	V
$I_{OZ}$	Maximum Output Leakage Current	$V_{CC} = \text{Max.}$ $\text{GND} \leq V_{OUT} \leq V_{CC}$ All Outputs Disabled	$\pm 10$	$\pm 10$	$\pm 10$	$\mu\text{A}$

**Table 4–16. Non-VMEbus Signals**

Parameter	Description	Test Conditions	Comm.	Industrial	Military	Units
$V_{IH}$	Minimum High-Level Input Voltage		2.0	2.0	2.0	V
$V_{IL}$	Maximum Low-Level Input Voltage		0.8	0.8	0.8	V
$V_{OH}$	Minimum High-Level Output Voltage	$V_{CC} = \text{Min.}$ , $I_{OH} = -8 \text{ mA}$	2.4	2.4	2.4	V
$V_{OL}$	Maximum Low-Level Output Voltage	$V_{CC} = \text{Min.}$ , $I_{OL} = 8 \text{ mA}$	0.6	0.6	0.6	V
$I_L$	Maximum Input Leakage Current	$V_{CC} = \text{Max.}$ , $V_{IN} = 0.00 - V_{CC}$	$\pm 5$	$\pm 5$	$\pm 5$	$\mu\text{A}$
$V_{IK}$	Input Clamp Voltage	$V_{CC} = \text{Min.}$ , $I_{IN} = -18 \text{ mA}$	-1.2	-1.2	-1.2	V
		$I_{IN} = 18 \text{ mA}$	$V_{CC}+1.2$	$V_{CC}+1.2$	$V_{CC}+1.2$	V
$I_{OZ}$	Maximum Output Leakage Current	$V_{CC} = \text{Max.}$ , $\text{GND} \leq V_{OUT} \leq V_{CC}$ All Outputs Disabled	$\pm 5$	$\pm 5$	$\pm 5$	$\mu\text{A}$
$I_{CC}$	$V_{CC}$ Maximum Operating Supply Current	$V_{CC} = \text{Max.}$ , All Outputs Disabled	25	25	25	mA

**Table 4–17. Operating Current**

Parameters	Description	Test Conditions	Max.	Units
$I_{DD}$	Maximum Operating Current	No external DC load	50	mA