

**Qualification Results Summary
for ADA4932-1 and ADA4932-2 Die Revision**

QUALIFICATION PLAN/STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULT
Electrostatic Discharge <i>Human Body Model</i>	JEDEC <i>JESD22-A114</i>	3/voltage	Pass 4000V
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JS-002</i>	3/voltage	Pass 1250V
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	1 x 30	Pass

*Preconditioned per JEDEC/IPC J-STD-020`

Summary of Data Sheet Changes

ADA4932 Die Rev



SPECIFICATIONS

±5 V OPERATION

$T_A = 25^\circ\text{C}$, $+V_S = 5\text{ V}$, $-V_S = -5\text{ V}$, $V_{\text{OCM}} = 0\text{ V}$, $R_F = 499\ \Omega$, $R_G = 499\ \Omega$, $R_T = 53.6\ \Omega$ (when used), $R_{L,\text{dm}} = 1\text{ k}\Omega$, unless otherwise noted. All specifications refer to single-ended input and differential outputs, unless otherwise noted. Refer to Figure 54 for signal definitions.

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Existing/Current Data Sheet

General Performance

Table 3.

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit	
POWER-DOWN ($\overline{\text{PD}}$)						
$\overline{\text{PD}}$ Input Voltage	Powered down		$\leq(+V_S - 2.5)$		V	
	Enabled		$\geq(+V_S - 1.8)$		V	
Turn-Off Time			1100		ns	
Turn-On Time			16		ns	
$\overline{\text{PD}}$ Pin Bias Current per Amplifier	Enabled	$\overline{\text{PD}} = 5\text{ V}$	-10	+0.7	+10	μA
			-240	-195	-140	μA
	Disabled	$\overline{\text{PD}} = 0\text{ V}$				
OPERATING TEMPERATURE RANGE		-40		+105	$^\circ\text{C}$	

General Performance

Table 3.

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit	
POWER-DOWN ($\overline{\text{PD}}$)						
$\overline{\text{PD}}$ Input Voltage	Powered down		$\leq(+V_S - 2.8)$		V	
	Enabled		$\geq(+V_S - 2.2)$		V	
Turn-Off Time			1100		ns	
Turn-On Time			16		ns	
$\overline{\text{PD}}$ Pin Bias Current per Amplifier	Enabled	$\overline{\text{PD}} = 5\text{ V}$	-1	+0.25	+1	μA
			-165	-120	-65	μA
	Disabled	$\overline{\text{PD}} = -5\text{ V}$				
OPERATING TEMPERATURE RANGE		-40		+105	$^\circ\text{C}$	

New Data Sheet

5 V OPERATION

$T_A = 25^\circ\text{C}$, $+V_S = 5\text{ V}$, $-V_S = 0\text{ V}$, $V_{\text{OCM}} = 2.5\text{ V}$, $R_F = 499\ \Omega$, $R_G = 499\ \Omega$, $R_T = 53.6\ \Omega$ (when used), $R_{L,\text{dm}} = 1\text{ k}\Omega$, unless otherwise noted.
 All specifications refer to single-ended input and differential outputs, unless otherwise noted. Refer to Figure 54 for signal definitions.

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Existing/Current Data Sheet

General Performance

Table 6.

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit	
POWER-DOWN ($\overline{\text{PD}}$)						
$\overline{\text{PD}}$ Input Voltage	Powered down		$\leq(+V_S - 2.5)$		V	
	Enabled		$\geq(+V_S - 1.8)$		V	
Turn-Off Time			1100		ns	
Turn-On Time			16		ns	
$\overline{\text{PD}}$ Pin Bias Current per Amplifier						
Enabled	$\overline{\text{PD}} = 5\text{ V}$	-10	+0.7	+10	μA	
Disabled	$\overline{\text{PD}} = 0\text{ V}$	-100	-70	-40	μA	
OPERATING TEMPERATURE RANGE				-40	+105	$^\circ\text{C}$

General Performance

Table 6.

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit	
POWER-DOWN ($\overline{\text{PD}}$)						
$\overline{\text{PD}}$ Input Voltage	Powered down		$\leq(+V_S - 2.8)$		V	
	Enabled		$\geq(+V_S - 2.2)$		V	
Turn-Off Time			1100		ns	
Turn-On Time			16		ns	
$\overline{\text{PD}}$ Pin Bias Current per Amplifier						
Enabled	$\overline{\text{PD}} = 5\text{ V}$	-1	+0.25	+1	μA	
Disabled	$\overline{\text{PD}} = 0\text{ V}$	-75	-45	-15	μA	
OPERATING TEMPERATURE RANGE				-40	+105	$^\circ\text{C}$

New Data Sheet

END

