AD8675 – Datasheet Table Changes for PCN 09_0243

Table 1 : V_S = ±5.0 V, V_{CM} = 0 V, V_O = 0 V, T_A = +25°C, unless otherwise specified.

			FROM				TO			
Parameter	**Symbol**	**Conditions**	**Min**	**Typ**	**Max**	**Unit**	**Min**	**Typ**	**Max**	**Unit**
Input Voltage Range	IVR		−3.5		3.5	V	−3.0		3.0	V
Output Voltage High	V_{OH}	R_L = 10 kΩ to ground				V	+4.90	+4.95		V
		−40°C ≤ T_A ≤ +125°C				V	+4.85			V
		R_L = 2 kΩ to ground	4.86	4.90		V	+4.80	+4.90		V
		−40°C ≤ T_A ≤ +125°C	4.82	4.85		V	+4.75			V
Output Voltage Low	V_{OL}	R_L = 10 kΩ to ground				V		-4.98	-4.90	V
		−40°C ≤ T_A ≤ +125°C				V			-4.85	V
		R_L = 2 kΩ to ground		-4.91	-4.86	V		-4.91	-4.86	V
		−40°C ≤ T_A ≤ +125°C		-4.91	-4.82	V			-4.82	V
Common-Mode Rejection Ratio	CMRR	V_{CM} = −3.5 V to +3.5 V	105	130		dB				
		−40°C ≤ T_A ≤ +125°C	105	130		dB				
		V_{CM} = −3.0 V to +3.0 V					105	130		dB
		−40°C ≤ T_A ≤ +125°C					105	130		dB
Open-Loop Gain	A_{VO}	R_L = 2 kΩ to ground,	1000	2000		V/mV				
		V_O = −4.0 V to +4.0 V								
		−40°C ≤ T_A ≤ +125°C	700	1250		V/mV				
		R_L = 2 kΩ to ground,					120	126		dB
		V_O = −3.5 V to +3.5 V								
		−40°C ≤ T_A ≤ +125°C					117			dB

Table 2. : V_S = ±15 V, V_{CM} = 0 V, V_O = 0 V, T_A = +25°C, unless otherwise specified.

			FROM				TO			
Parameter	**Symbol**	**Conditions**	**Min**	**Typ**	**Max**	**Units**	**Min**	**Typ**	**Max**	**Units**
Input Voltage Range	IVR		-13.0		13.0		−12.5		+12.5	V
Output Voltage High	V_{OH}	R_L: 10 kΩ to ground					+14.85	+14.92		V
		−40°C ≤ T_A ≤ +125°C					+14.80			V
		SOIC: R_L: 2 kΩ to ground	14.75	14.80		V	+14.60	+14.80		V
		−40°C ≤ T_A ≤ +125°C	14.69	14.75		V	+14.40			V
		MSOP: R_L: 2 kΩ to ground	14.67	14.78		V	+14.60	+14.80		V
		−40°C ≤ T_A ≤ +125°C	14.30	14.66		V	+14.40			V
Output Voltage Low	V_{OL}	R_L = 10 kΩ to ground						-14.96	-14.94	V
		−40°C ≤ T_A ≤ +125°C							-14.90	V
		R_L = 2 kΩ to ground		-14.85	-14.75	V		-14.85	-14.75	V
		−40°C ≤ T_A ≤ +125°C			-14.69	V			-14.69	V
Open-Loop Gain	A_{VO}	R_L = 2 kΩ to ground,	1500	4000		V/mV				
		V_O = −14.0 V to +14.0 V								
		−40°C ≤ T_A ≤ +125°C	700	1700		V/mV				
		R_L = 2 kΩ to ground,					123	132		dB
		V_O = −13.5 V to +13.5 V								
		−40°C ≤ T_A ≤ +125°C					117			dB