PCN 23_0067 DATASHEET COMPARISON

±15 V Dual Supply

V_{DD} = 15 V ± 10%, V_{SS} = −15 V ± 10%, GND = 0 V, unless otherwise noted.

Table 1.

	REV. B			REV. C				
Parameter	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**Unit**	**Test Conditions/Comments**
LEAKAGE CURRENTS								V_{DD} = +16.5 V, V_{SS} = −16.5 V
Source Off Leakage, I_S (Off)	±0.05			±0.05			nA typ	V_S = V_S = ±10 V, V_D = ∓10 V; see Figure 24
	±0.25	±0.75	±6	±0.25	±0.75	±6	nA max	
Drain Off Leakage, I_D (Off)	±0.1			±0.1			nA typ	V_S = V_S = ±10 V, V_D = ∓10 V; see Figure 24
	±0.4	±2	±16	±1	±3	±24	nA max	
Channel On Leakage, I_D, I_S (On)	±0.1			±0.1			nA typ	V_S = V_D = ±10 V; see Figure 25
	±0.4	±2	±16	±0.4	±2	±16	nA max	

±20 V Dual Supply

V_{DD} = 20 V ± 10%, V_{SS} = −20 V ± 10%, GND = 0 V, unless otherwise noted.

Table 2.

	REV. B			REV. C				
Parameter	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**Unit**	**Test Conditions/Comments**
LEAKAGE CURRENTS								V_{DD} = +22 V, V_{SS} = −22 V
Source Off Leakage, I_S (Off)	±0.05			±0.05			nA typ	V_S = ±15 V, V_D = ∓15 V; see Figure 24
	±0.25	±0.75	±6	±0.25	±0.75	±6	nA max	
Drain Off Leakage, I_D (Off)	±0.1			±0.1			nA typ	V_S = ±15 V, V_D = ∓15 V; see Figure 24
	±0.4	±2	±16	±1	±3	±24	nA max	
Channel On Leakage, I_D, I_S (On)	±0.1			±0.1			nA typ	V_S = V_D = ±15 V; see Figure 25
	±0.4	±2	±16	±0.4	±2	±16	nA max	

+12 V Single Supply

V_{DD} = 12 V ± 10%, V_{SS} = 0 V, GND = 0 V, unless otherwise noted.

Table 3.

	REV. B			REV. C				
Parameter	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**Unit**	**Test Conditions/Comments**
LEAKAGE CURRENTS								V_{DD} = 13.2 V, V_{SS} = 0 V
Source Off Leakage, I_S (Off)	±0.02			±0.05			nA typ	V_S = 1 V/10 V, V_D = 10 V/1 V; see Figure 24
	±0.25	±0.75	±6	±0.25	±0.75	±6	nA max	
Drain Off Leakage, I_D (Off)	±0.05			±0.1			nA typ	V_S = 1 V/10 V, V_D = 10 V/1 V; see Figure 24
	±0.4	±2	±16	±1	±3	±24	nA max	
Channel On Leakage, I_D, I_S (On)	±0.05			±0.1			nA typ	V_S = V_D = 1 V/10 V; see Figure 25
	±0.4	±2	±16	±0.4	±2	±16	nA max	

+36 V Single Supply

V_{DD} = 36 V ± 10%, V_{SS} = 0 V, GND = 0 V, unless otherwise noted.

Table 4.

	REV. B			REV. C				
Parameter	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**25°C**	**−40°C to +85°C**	**−40°C to +125°C**	**Unit**	**Test Conditions/Comments**
LEAKAGE CURRENTS								V_{DD} =39.6 V, V_{SS} = 0 V
Source Off Leakage, I_S (Off)	±0.05			±0.05			nA typ	V_S = 1 V/30 V, V_D = 30 V/1 V; see Figure 24
	±0.25	±0.75	±6	±0.25	±0.75	±6	nA max	
Drain Off Leakage, I_D (Off)	±0.1			±0.1			nA typ	V_S = 1 V/30 V, V_D = 30 V/1 V; see Figure 24
	±0.4	±2	±16	±1	±3	±24	nA max	
Channel On Leakage, I_D, I_S (On)	±0.1			±0.1			nA typ	V_S = V_D = 1 V/30 V; see Figure 25
	±0.4	±2	±16	±0.4	±2	±16	nA max	