

ADG5412 Family Data Sheet changes

This document highlights the performance changes on the data sheets of the ADG5412 family of Analog Switch and Multiplexers.

There are 5 generics included in this document and they are as follows:

1. ADG5412/ADG5413
2. ADG5404
3. ADG5436
4. ADGS5412

The tables below show a datasheet specification comparison of the current datasheet specification to the updated version for each generic. The changed specifications are highlighted in red font.

1. ADG5412/ADG5413 SPECIFICATION CHANGES FROM Rev. C to Rev. D

Parameter	Rev. C			Rev. D			Unit
	+25°C	-40°C to +85°C	-40°C to +125°C	+25°C	-40°C to +85°C	-40°C to +125°C	
LEAKAGE CURRENTS							
Source Off Leakage, I_s (Off)	±0.05			±0.05			nA typ
	±0.25	±0.75	±3.5	±0.25	±0.75	±6	nA max
Drain Off Leakage, I_b (Off)	±0.05			±0.05			nA typ
	±0.25	±0.75	±3.5	±0.25	±0.75	±6	nA max
Channel On Leakage, I_b (On), I_s (On)	±0.1			±0.1			nA typ
	±0.4	±2	±12	±0.4	±2	±12	nA max

2. ADG5404 SPECIFICATION CHANGES FROM Rev. A to Rev. B

Parameter	Rev. A			Rev. B			Unit
	+25°C	-40°C to +85°C	-40°C to +125°C	+25°C	-40°C to +85°C	-40°C to +125°C	
LEAKAGE CURRENTS							
Source Off Leakage, I_s (Off)	±0.05			±0.05			nA typ
	±0.25	±0.75	±3.5	±0.25	±0.75	±6	nA max
Drain Off Leakage, I_b (Off)	±0.1			±0.1			nA typ
	±0.4	±2	±12	±0.4	±2	±16	nA max
Channel On Leakage, I_b (On), I_s (On)	±0.1			±0.1			nA typ
	±0.4	±2	±12	±0.4	±2	±16	nA max

3. ADG5436 SPECIFICATION CHANGES FROM Rev. B to Rev. C

Parameter	Rev. B			Rev. C			Unit
	+25°C	-40°C to +85°C	-40°C to +125°C	+25°C	-40°C to +85°C	-40°C to +125°C	
LEAKAGE CURRENTS							
Source Off Leakage, I_s (Off)	±0.05			±0.05			nA typ
	±0.25	±0.75	±3.5	±0.25	±0.75	±6	nA max
Drain Off Leakage, I_b (Off)	±0.1			±0.1			nA typ
	±0.4	±2	±12	±0.4	±2	±12	nA max
Channel On Leakage, I_b (On), I_s (On)	±0.1			±0.1			nA typ
	±0.4	±2	±12	±0.4	±2	±12	nA max

4. ADGS5412 SPECIFICATION CHANGES FROM Rev. 0 to Rev. A

Parameter	Rev. 0			Rev.A			Unit
	+25°C	-40°C to +85°C	-40°C to +125°C	+25°C	-40°C to +85°C	-40°C to +125°C	
LEAKAGE CURRENTS							
Source Off Leakage, I_s (Off)	±0.05			±0.05			nA typ
	±0.25	±0.75	±3.5	±0.25	±0.75	±6	nA max
Drain Off Leakage, I_d (Off)	±0.05			±0.05			nA typ
	±0.25	±0.75	±3.5	±0.25	±0.75	±6	nA max
Channel On Leakage, I_d (On), I_s (On)	±0.1			±0.1			nA typ
	±0.4	±2	±12	±0.4	±2	±12	nA max