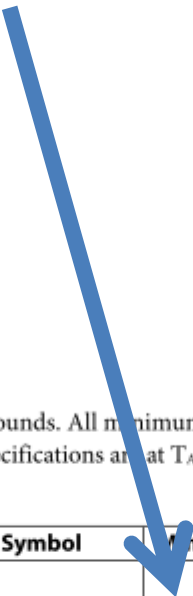


I have a question about input supply current spec, does the spec change depending on data rate? if so what is the data rate on this test?



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

DC Specifications

All voltages are relative to their respective grounds. All minimum/maximum specifications apply over the entire recommended operating range, unless otherwise noted. All typical specifications are at $T_A = 25^\circ\text{C}$, $V_{DD1} = 5\text{ V}$, and $V_{DD2} = 5\text{ V}$, unless otherwise noted.

Table 1.

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions/Comments
ADuM2250						
Input Supply Current, Side 1, 5 V	I_{DD1}		2.8	5.0	mA	$V_{DD1} = 5\text{ V}$
Input Supply Current, Side 2, 5 V	I_{DD2}		2.7	5.0	mA	$V_{DD2} = 5\text{ V}$
Input Supply Current, Side 1, 3.3 V	I_{DD1}		1.9	3.0	mA	$V_{DD1} = 3.3\text{ V}$
Input Supply Current, Side 2, 3.3 V	I_{DD2}		1.7	3.0	mA	$V_{DD2} = 3.3\text{ V}$
ADuM2251						
Input Supply Current, Side 1, 5 V	I_{DD1}		2.8	6.0	mA	$V_{DD1} = 5\text{ V}$
Input Supply Current, Side 2, 5 V	I_{DD2}		2.5	4.7	mA	$V_{DD2} = 5\text{ V}$
Input Supply Current, Side 1, 3.3 V	I_{DD1}		1.8	3.0	mA	$V_{DD1} = 3.3\text{ V}$
Input Supply Current, Side 2, 3.3 V	I_{DD2}		1.6	2.8	mA	$V_{DD2} = 3.3\text{ V}$