

Sheet1

All measurments taken at ~ °24 C

Test # Step	Expected Value	Orig N19 Value	Deviation from spec	New N19 Vlaue	Deviation from spec
1.0	11-14 V	12 V	0.5V	12V	0.5 V
2.0	0 Ω	0 Ω	0 Ω	0 Ω	0 Ω
3.0	20°C 1.9 V	1.012 V	46.74%	0.785 V	58.68%
3.1	°C k Ω				
	20 2.1				
	25 1.7	2.6kΩ	52.94%	3.6kΩ	111.76%
	40 0.9				
4.0	°C V				
	0 2.0-2.4				
	15 1.4-1.8				
extrapolated	25 .890 V	0.6 V	32.58%	0.724 V	18.65%
4.1	°C k Ω				
	6 3.6				
	15 2.3				
	22 1.7				
	25 1.5	1.23 kΩ	18 %	1.488kΩ	0.80%
5.0	>2V	2.75 V		2.903 V	
	>3V	3.5 V		3.2 V	
5.1	>3V	4.2 V		4.12 V	
	>4V	3.1 V		3.257 V	
6.0	<1V	0.511 V		0.562 V	
	11-14 V	12 V		12 V	
6.1	0.12 kΩ	120 Ω		120 Ω	
7.0	<1V			0.013	
	11-14V			0.412	
8.0	<1V	0 V		0.144	
	11-14 V	12V on,10.8V off		12V	
8.1	>3V	0, .6V blower off		0V	
	<1V				
9.0	4.75-5.25 V	4.92 V		4.90 V	
10.0	°C k Ω				
	20 2.1				
	25 1.7	OL		OL	
	40 0.9				
	50 0.6				