



Ironwood

ELECTRONICS



CCC Report

For FemtoRaptor

1.0 SPECIFICATION



Pin Design

Name	FemtoRaptor
Part Number	P-R121A
Revision	01
Thickness	0.15
Material	BeCu
X-Y Size	0.743mm x 0.53mm

2.0 SETUP

Set Voltage	10 V
Set Current	50 A
Ambient Temperature	23.7 °C
Temperature Rise	20.0 °C
Final Temperature	43.7 °C
Waiting time	1 minute
Duty Cycle (100%)	100 ms

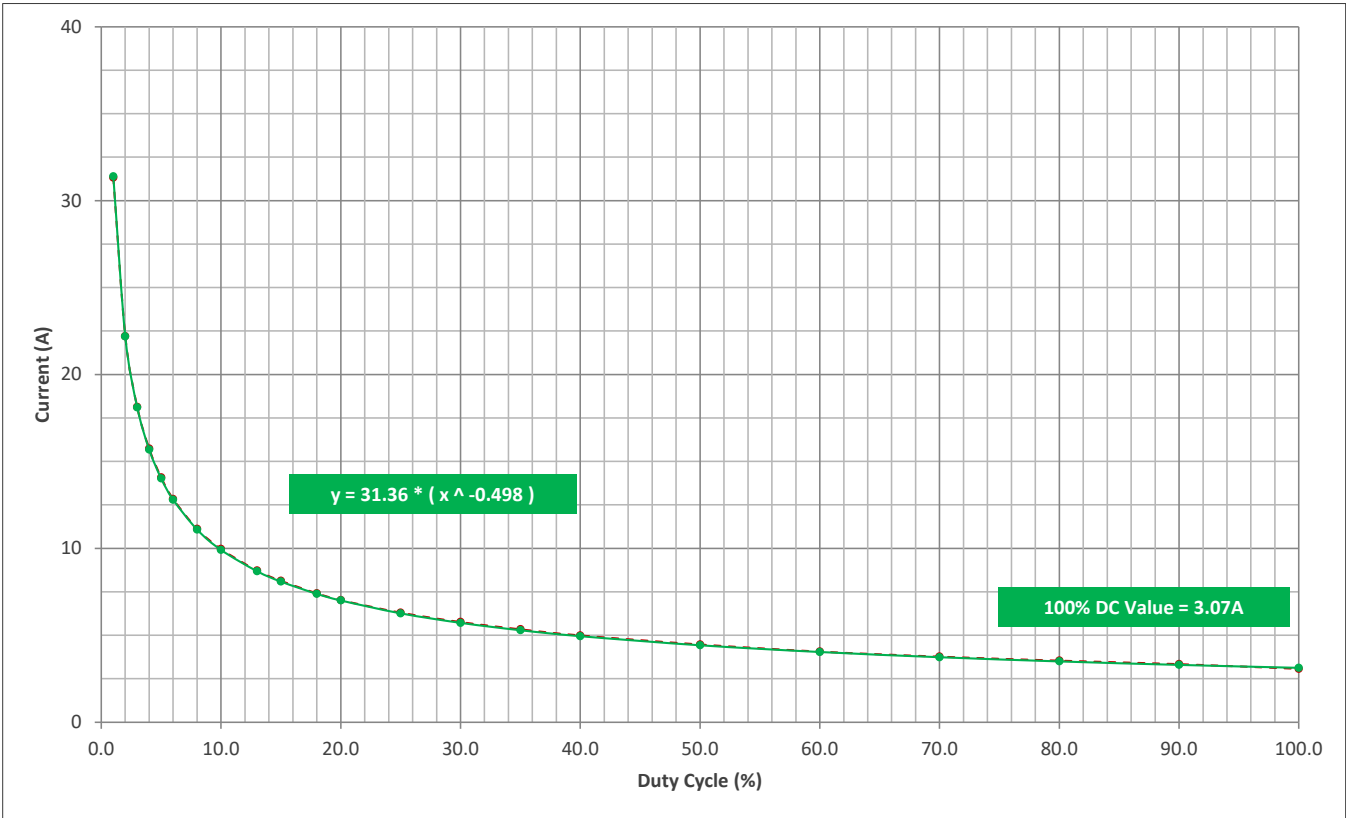
3.0 NOTES

- 1) Current specified are based on 20 °C temperature rise from ambient condition;
- 2) Values listed are for a single contact (qty. 1). If a pair of contacts (qty. 2) is utilized for kelvin (force & sense) connection, utilize values listed in chart. If non-kelvin (force & force) connection, utilize values listed in chart and multiply by 2 (value listed x 2).

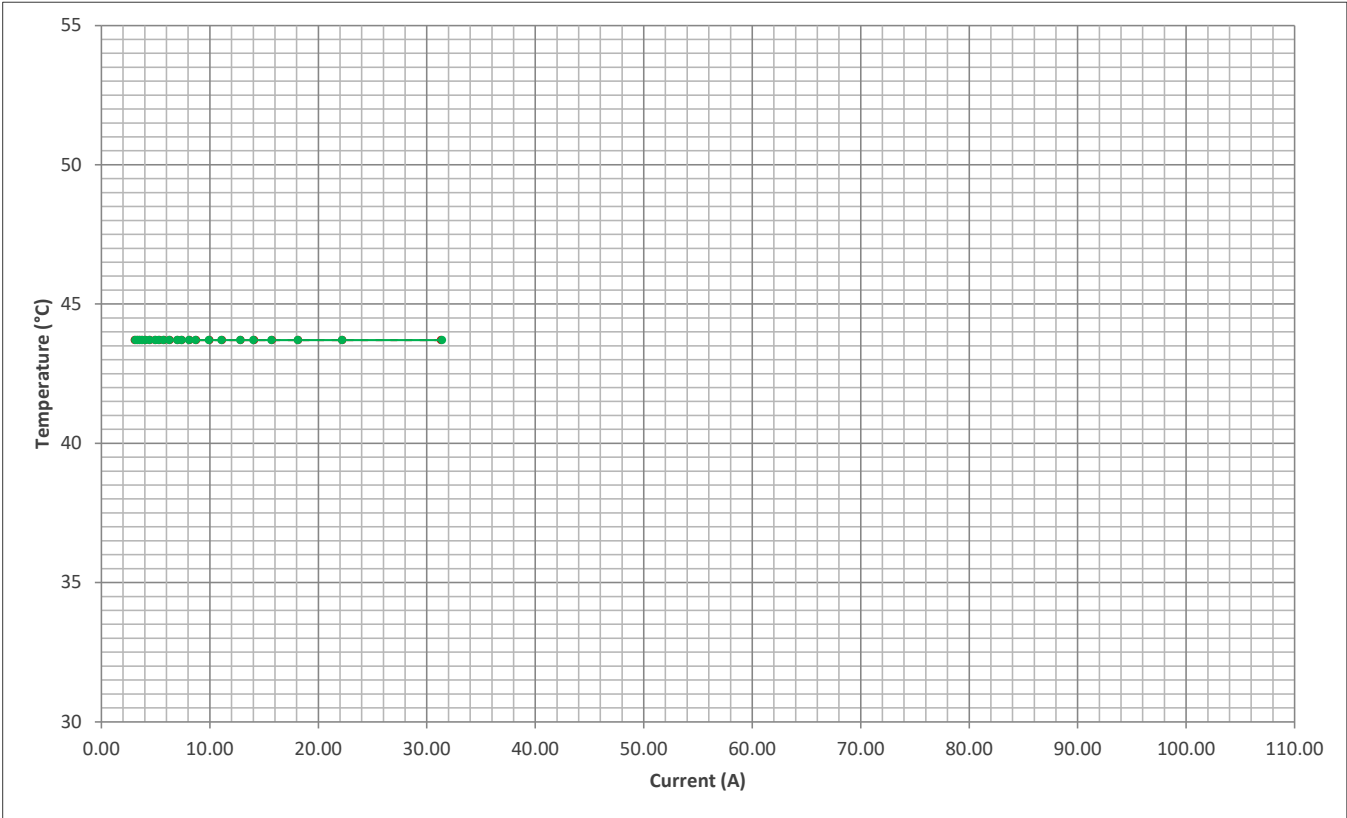
4.0 DATA COLLECTION

Duty Cycle (%)	Duty Cycle (ms)	Current (A)	Current Fixed (A)	Temperature (°C)	Temperature (K)	Temp. Fixed (°C)
1.0	1.0	31.32	31.4	43.7	316.85	43.7
2.0	2.0	22.20	22.2	43.7	316.85	43.7
3.0	3.0	18.13	18.1	43.7	316.85	43.7
4.0	4.0	15.73	15.7	43.7	316.85	43.7
5.0	5.0	14.08	14.0	43.7	316.85	43.7
6.0	6.0	12.84	12.8	43.7	316.85	43.7
8.0	8.0	11.12	11.1	43.7	316.85	43.7
10.0	10.0	9.96	9.9	43.7	316.85	43.7
13.0	13.0	8.72	8.7	43.7	316.85	43.7
15.0	15.0	8.13	8.1	43.7	316.85	43.7
18.0	18.0	7.41	7.4	43.7	316.85	43.7
20.0	20.0	7.02	7.0	43.7	316.85	43.7
25.0	25.0	6.30	6.3	43.7	316.85	43.7
30.0	30.0	5.76	5.7	43.7	316.85	43.7
35.0	35.0	5.34	5.3	43.7	316.85	43.7
40.0	40.0	4.99	4.9	43.7	316.85	43.7
50.0	50.0	4.47	4.4	43.7	316.85	43.7
60.0	60.0	4.06	4.0	43.7	316.85	43.7
70.0	70.0	3.77	3.7	43.7	316.85	43.7
80.0	80.0	3.54	3.5	43.7	316.85	43.7
90.0	90.0	3.34	3.3	43.7	316.85	43.7
100.0	100.0	3.07	3.1	43.7	316.85	43.7

5.0 CURRENT (A) VERSUS DUTY CYCLE (%) PLOT



6.0 TEMPERATURE (°C) VERSUS CURRENT (A) PLOT



END OF REPORT