



**Ironwood**  
ELECTRONICS



# CCC Report For PicoRaptor 2

## 1.0 SPECIFICATION



Pin Design

Name	PicoRaptor 2 Pin
Part Number	P-R103A
Revision	A
Thickness	0.20mm
X-Y Size	2.46mm x 1.60mm

## 2.0 SETUP

Set Voltage	10 V
Set Current	50 A
Ambient Temperature	24.1 °C
Temperature Rise	20.0 °C
Final Temperature	44.1 °C
Waiting time	1 minute
Duty Cycle (100%)	100 ms

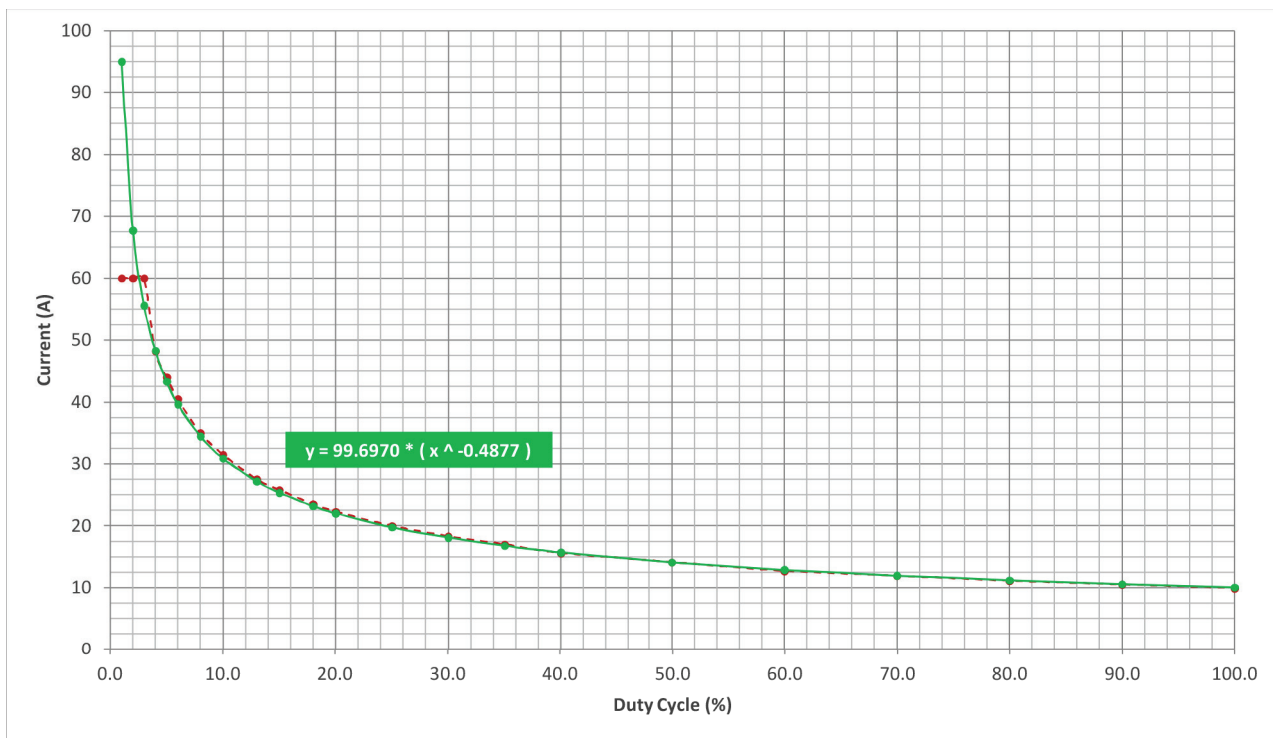
## 3.0 NOTES

- 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	60.0	95.0	31.2	304.35	44.1
2.0	2.0	60.0	67.8	38.8	311.95	44.1
3.0	3.0	60.0	55.6	44.0	317.15	44.1
4.0	4.0	48.2	48.3	44.1	317.25	44.1
5.0	5.0	44.0	43.3	44.1	317.25	44.1
6.0	6.0	40.5	39.6	44.2	317.35	44.1
8.0	8.0	35.0	34.5	44.2	317.35	44.1
10.0	10.0	31.5	30.9	44.1	317.25	44.1
13.0	13.0	27.5	27.2	44.1	317.25	44.1
15.0	15.0	25.8	25.4	44.2	317.35	44.1
18.0	18.0	23.5	23.2	44.1	317.25	44.1
20.0	20.0	22.3	22.0	44.1	317.25	44.1
25.0	25.0	20.0	19.8	44.1	317.25	44.1
30.0	30.0	18.3	18.1	44.1	317.25	44.1
35.0	35.0	17.0	16.8	44.1	317.25	44.1
40.0	40.0	15.6	15.7	44.1	317.25	44.1
50.0	50.0	14.1	14.1	44.1	317.25	44.1
60.0	60.0	12.7	12.9	44.1	317.25	44.1
70.0	70.0	11.9	12.0	44.1	317.25	44.1
80.0	80.0	11.1	11.2	44.1	317.25	44.1
90.0	90.0	10.5	10.6	44.1	317.25	44.1
100.0	100.0	9.9	10.1	44.1	317.25	44.1

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



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

