

Digital Laser Module

Digital laser module returns temperature information through serial communication

Serial communication parameters:baudrate=200bps 1start bit 1stop bit no chenk bit

Packet details:

Inex 1	Index 2	Index 3	Index 4	Index 5	Index 6
head	Packet length	version	Laser module type	Laser temperature	Check sum
0xFF	0x06	1	1=30x30-20W 2=40x40-35W	0~100°C	Check sum

Data frequency: 2Hz

Analog Laser Module

The analog laser module obtains the temperature by measuring the voltage.

The corresponding relationship between the voltage and the temperature is as follows

0°C	Vout = 642mV
1°C	Vout = 664mV
2°C	Vout = 687mV
3°C	Vout = 710mV
4°C	Vout = 733mV
5°C	Vout = 756mV
6°C	Vout = 780mV
7°C	Vout = 804mV
8°C	Vout = 828mV
9°C	Vout = 852mV
10°C	Vout = 876mV
11°C	Vout = 901mV
12°C	Vout = 925mV
13°C	Vout = 950mV
14°C	Vout = 975mV
15°C	Vout = 1000mV
16°C	Vout = 1025mV
17°C	Vout = 1050mV
18°C	Vout = 1075mV
19°C	Vout = 1099mV
20°C	Vout = 1124mV
21°C	Vout = 1149mV
22°C	Vout = 1174mV
23°C	Vout = 1198mV
24°C	Vout = 1223mV
25°C	Vout = 1247mV
26°C	Vout = 1271mV

27°C	Vout = 1295mV
28°C	Vout = 1319mV
29°C	Vout = 1342mV
30°C	Vout = 1366mV
31°C	Vout = 1389mV
32°C	Vout = 1412mV
33°C	Vout = 1434mV
34°C	Vout = 1456mV
35°C	Vout = 1479mV
36°C	Vout = 1500mV
37°C	Vout = 1522mV
38°C	Vout = 1543mV
39°C	Vout = 1564mV
40°C	Vout = 1584mV
41°C	Vout = 1604mV
42°C	Vout = 1624mV
43°C	Vout = 1644mV
44°C	Vout = 1663mV
45°C	Vout = 1682mV
46°C	Vout = 1700mV
47°C	Vout = 1718mV
48°C	Vout = 1736mV
49°C	Vout = 1754mV
50°C	Vout = 1771mV
51°C	Vout = 1788mV
52°C	Vout = 1804mV
53°C	Vout = 1820mV
54°C	Vout = 1836mV
55°C	Vout = 1851mV
56°C	Vout = 1867mV
57°C	Vout = 1881mV
58°C	Vout = 1896mV
59°C	Vout = 1910mV
60°C	Vout = 1924mV
61°C	Vout = 1937mV
62°C	Vout = 1951mV
63°C	Vout = 1964mV
64°C	Vout = 1976mV
65°C	Vout = 1988mV
66°C	Vout = 2000mV
67°C	Vout = 2012mV
68°C	Vout = 2024mV
69°C	Vout = 2035mV
70°C	Vout = 2046mV

71°C	Vout = 2056mV
72°C	Vout = 2067mV
73°C	Vout = 2077mV
74°C	Vout = 2087mV
75°C	Vout = 2097mV
76°C	Vout = 2106mV
77°C	Vout = 2115mV
78°C	Vout = 2124mV
79°C	Vout = 2133mV
80°C	Vout = 2141mV
81°C	Vout = 2150mV
82°C	Vout = 2158mV
83°C	Vout = 2165mV
84°C	Vout = 2173mV
85°C	Vout = 2181mV
86°C	Vout = 2188mV
87°C	Vout = 2195mV
88°C	Vout = 2202mV
89°C	Vout = 2209mV
90°C	Vout = 2215mV
91°C	Vout = 2222mV
92°C	Vout = 2228mV
93°C	Vout = 2234mV
94°C	Vout = 2240mV
95°C	Vout = 2246mV
96°C	Vout = 2251mV
97°C	Vout = 2257mV
98°C	Vout = 2262mV
99°C	Vout = 2267mV
100°C	Vout = 2272mV