4NXX Series

The 4NXX series combine an AIGaAs infrared emitting
diode (3 (t)TTd004ssyu (s)-1e= a2 (25°)-1 (C-1 ()-1 (12 1 0 12 0(TTw 7 0 m ( )Tj EMC /P35Jm74

V_{CE}

Cut-off Frequency f_c

FIG.1: Forward Current vs. Ambient Temperature

FIG.2: Collector Power Dissiption vs. Ambient Temperature

FIG.13: Test Circuits of Response Time

FIG.14: Curves of Response Time

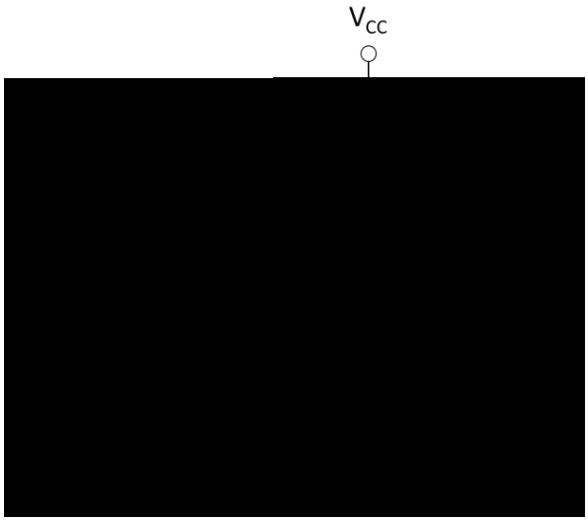
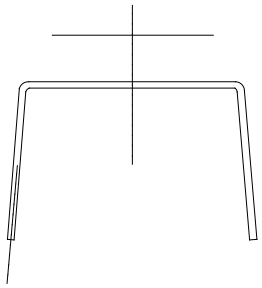
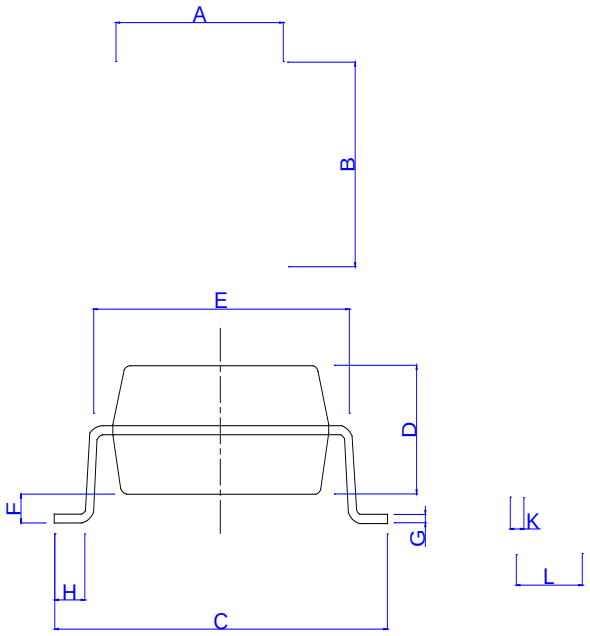


FIG.15: Test Circuits of Frequency Response

Standard DIP Type:

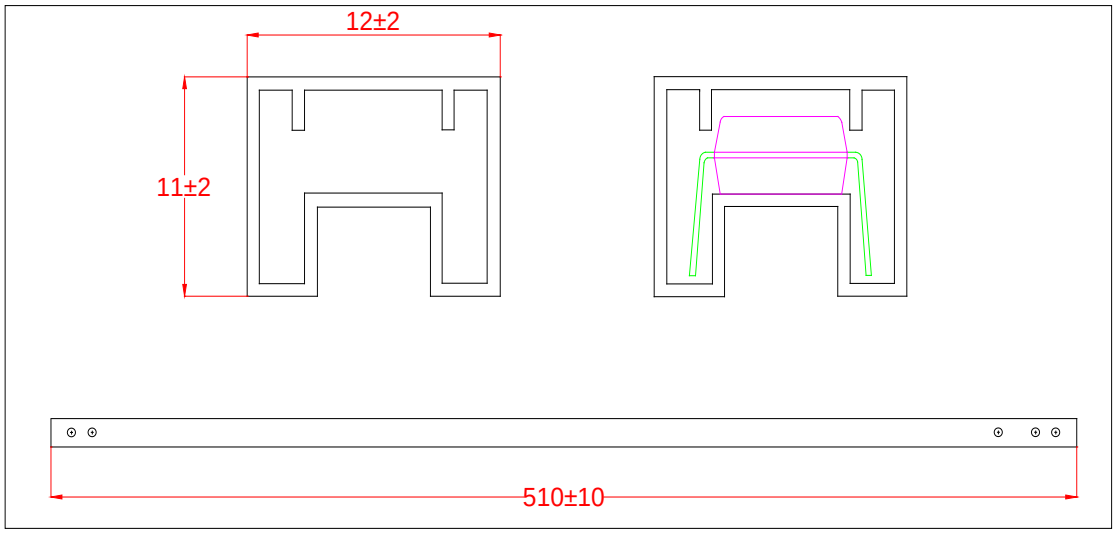


Option S Type:

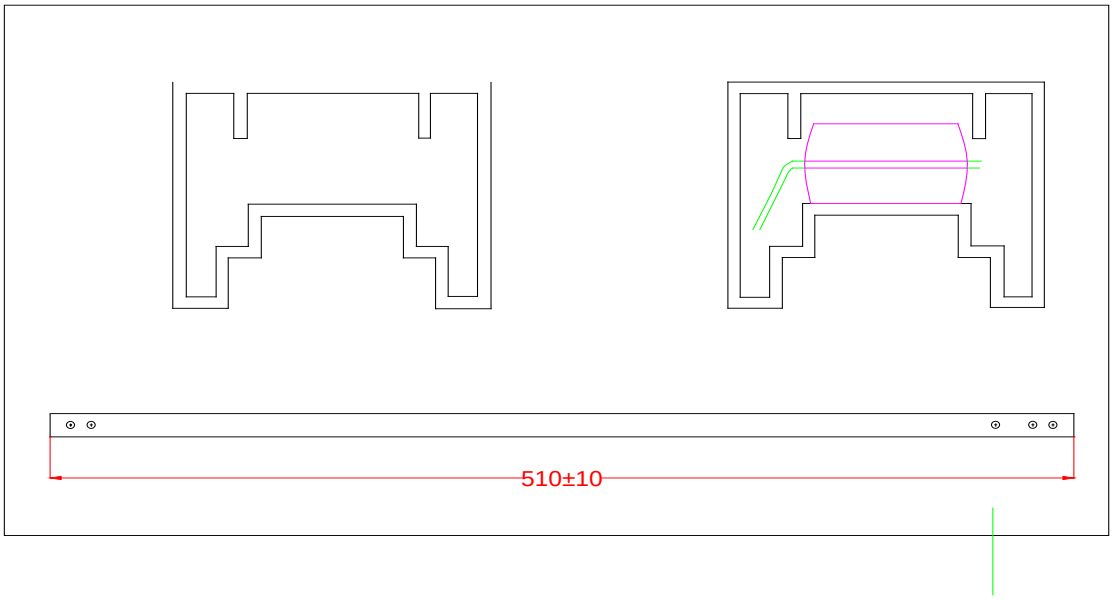


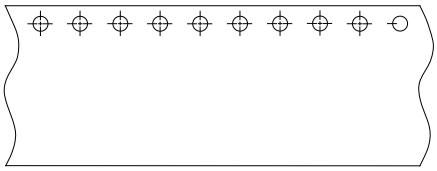
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.30		6.70	0.249		0.265
B	6.92		7.32	0.274		0.289
C	9.85		10.45	0.389		0.413
D	3.30		3.70	0.130		0.146
E	7.32		7.92	0.289		0.313
F		0.80			0.032	
G		0.25			0.010	
H		0.80			0.032	
I	1.20		1.40	0.047		0.055
J	4.00		4.60	0.158		0.182
K		0.50			0.020	
L		2.54			0.100	

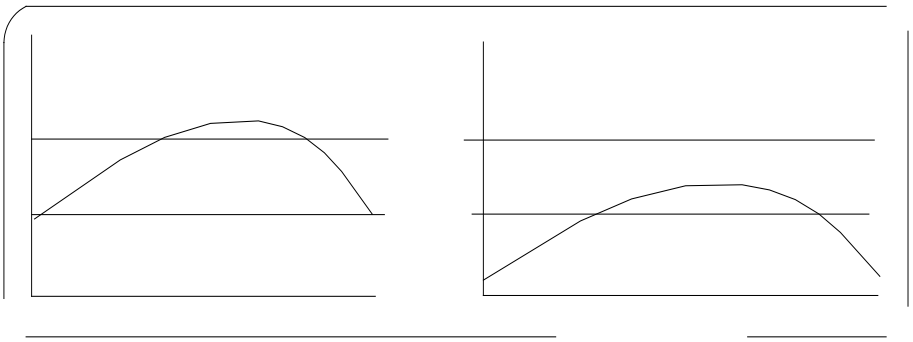
Standard DIP

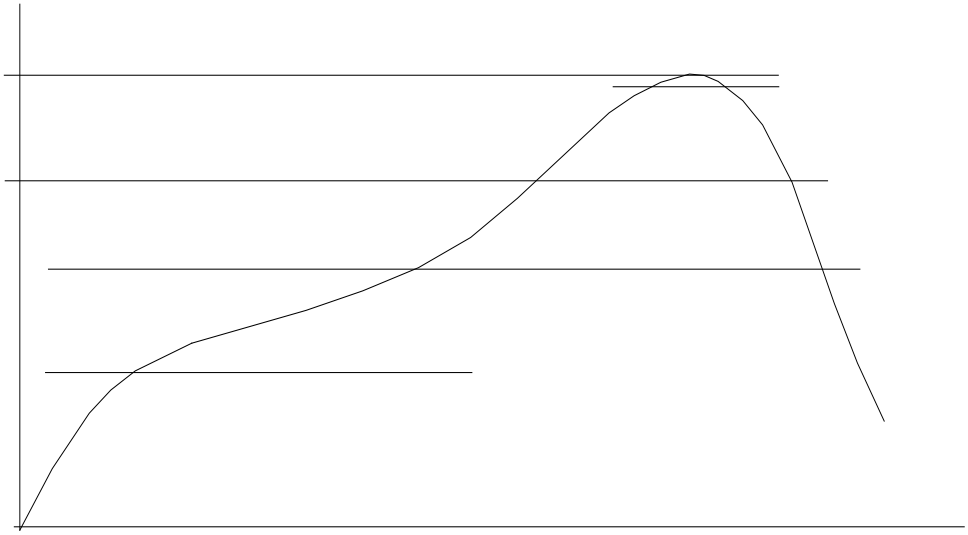


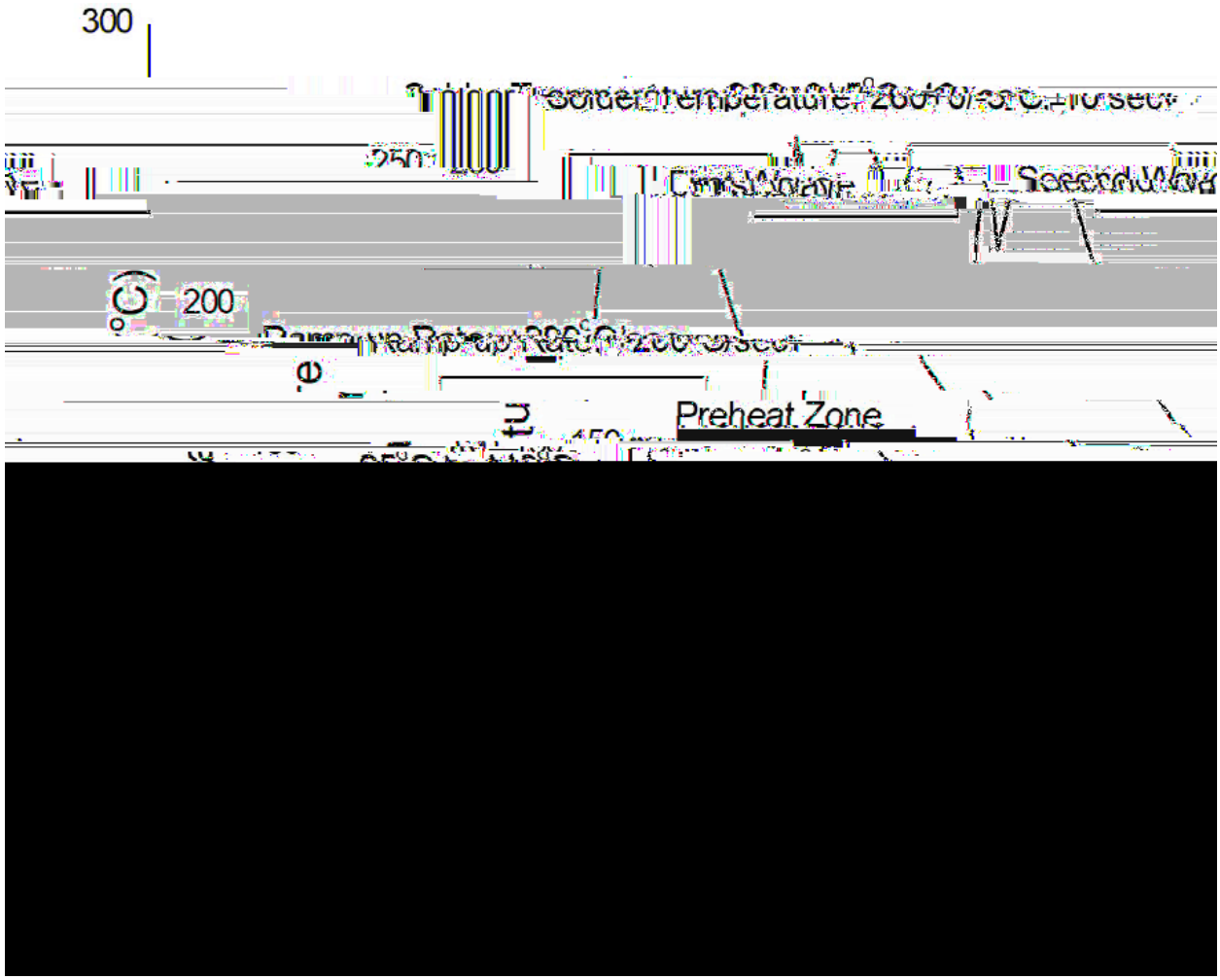
Option M











Soldering Temperature	360–5
Soldering Time	3s max.

Note:

1. Reflow soldering is recommended at the temperatures and times shown, no more than three times.

2. Avoid direct contact between the epoxy body and any tools or surfaces exceeding its maximum storage temperature.

3. Application of pressure on the epoxy body is prohibited at elevated temperatures. In specific scenarios, any applied force must not exceed 2.5N.

4. Ensure the component has cooled to ambient temperature before proceeding with any subsequent manufacturing steps.

5. The component has a shelf life of one year when stored under standard conditions.

6. Recommend storage Temp.: 0~40°C;

Recommend storage humidity: <60%;

MSL level: MSL 1

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