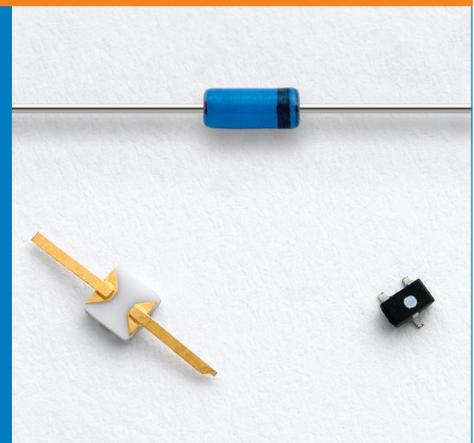


NC407B

1 GHz to 110 GHz

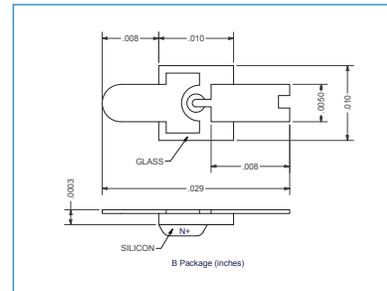
The NC407B is a silicon based, beam lead Noise diode. Operation performance is above 110GHz.



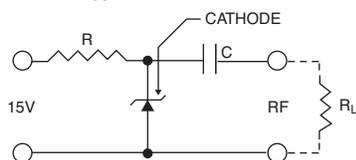
Specifications

Frequency	1GHz to 110GHz
V_b	8 to 12V
I_{op}	8mA
R_L	50 ohms
ENR output	15 – 25dB
Package	B
I_{max}	10mA
Output	White Gaussian
Operating Temperature	-55 °C to +125 °C
Storage Temperature	-65 °C to +150 °C
Shipping Package	Gel Pack
Assembly	Silver expoy is recommended, however Gap welding or thermo compression can be used.

B Package (inches)



Typical Bias Circuit



For NC407B
R = Adjust for performance

$$C \geq \frac{1}{2\pi R_L(f_c)}$$

f_c = low frequency cut

Wireless Telecom Group Inc.
25 Eastmans Rd
Parsippany, NJ
United States
Tel: +1 973 386 9696
Fax: +1 973 386 9191
www.noisecom.com

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N/NC407B/0717/EN
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