

# TERMINATION CHIP

DC - 12 GHz  
20 WATTS

api  
technologies corp.  
> INMET

MODELS: 12NPC50-100EG-XXXXY

## SPECIFICATIONS:

### Electrical:

Frequency Range \_\_\_\_\_ DC - 12 GHz  
Ohm Value \_\_\_\_\_ 50  $\pm$ 5% Ohms Standard  
Power Handling\* \_\_\_\_\_ 20 Watts Average  
Derated Linearly to 0 Watts @ +150°C  
VSWR \_\_\_\_\_ 1.15:1 Max.

### Mechanical:

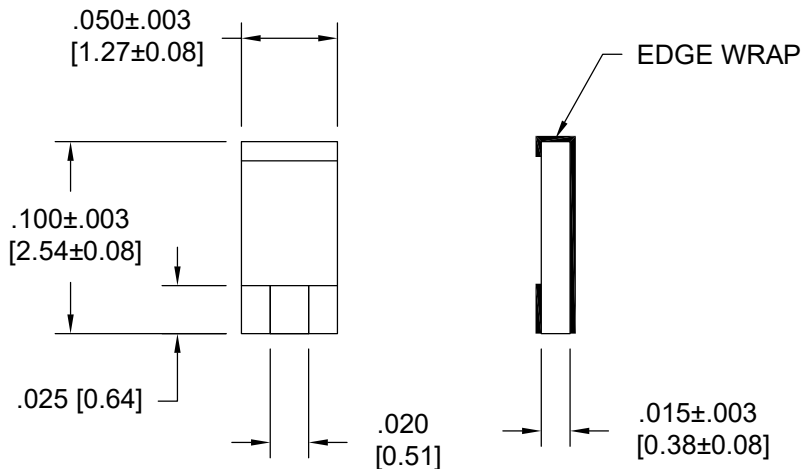
Substrate \_\_\_\_\_ Beryllium Oxide  
Resistor Material \_\_\_\_\_ Tantalum Nitride  
Terminal Finish \_\_\_\_\_ Gold

EAR 99

\*Mounting Surface Shall not Exceed 100°C Max.

Model Number: 12NPC50-100EG-50R0G Shown

Tolerance: .XXX =  $\pm$ .005



OBSOLETE IAW DCN 63517  
1/20/25

## HOW TO ORDER

Model Number: 12NPCT50-100EG-XXXXY

Terminal Options

= Gold  
T = Tin Lead  
H = Lead Free Solder

Tolerance

G = 2%  
J = 5% (Standard)

Ohm Value (Other values available)

50R0 = 50 Ohms  
1000 = 100 Ohms

Dimensions are for substrate only and do not include terminal thickness or optional tinning thickness.

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

Design specifications are subject to change without notice.

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OL-12NPC50-100EG; REV B