

RESISTOR, TERMINATION CHIP

**DC - 10.0 GHz
HIGH POWER**

api 
technologies corp.
> INMET

MODELS: NPC50-50 SERIES

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC - 10 GHz

Standard Ohm Values _____ 50 & 100 Ohms

**Power (C/W)

Type "X" "S" & "G" Terminals _____ 5 Watts

Type "W" Terminal _____ 0.5 Watts

VSWR (Typ. for all Terminations) _____ 1.25:1 Max.

Mechanical:

Substrate _____ Beryllium Oxide Ceramic

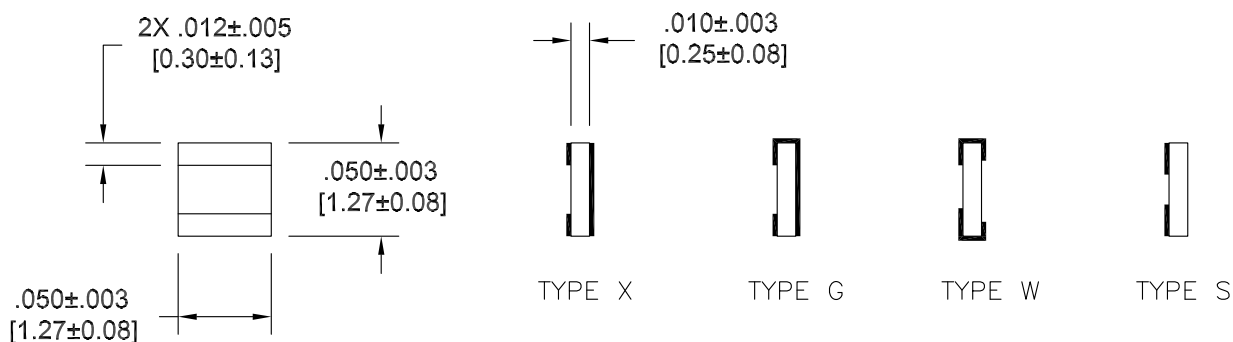
Resistor _____ Tantalum Nitride

Solderable Terminals _____ Gold

(See How to Order for other Terminal options)

**Based on Maximum film temperature of +150°C and with maximum heatsink temperature of +100°C. Power rating based on chip mounted resistor side up on infinite and ideal heatsink.

Model Number: **NPC50-50Z-XXXXY**



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

HOW TO ORDER:

Model Number: **NPCT50-50Z-XXXXY**

Terminal Options _____

= Gold

T = Tin Lead Solder

H = Lead Free Solder

Terminal Type _____

X = No Wrap

G = One end Wrap around

W = Both ends wrap around

S = Backside Blank

Tolerance _____

G = 2%

J = 5% (Standard)

Ohm Value (Other values available)

50R0 = 50 Ohms

1000 = 100 Ohms

Ordering Examples:

Model Number: **NPC50-50X-1000J**
100 ±5%, Gold Terminal, no wrap

Model Number: **NPCT50-50G-50R0G**
50 ±2%, Tinned, One end wraparound

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

Design specifications are subject to change without notice.

Contact factory for technical specifications before purchasing or use.

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