RESISTOR, TERMINATION CHIP

DC - 12.4 GHz HIGH POWER

api technologies corp. > INMET

MODELS: NPC25–50 SERIES

SPECIFICATIONS:

Electrical:

Frequency Range	DC – 12.4 GHz
Standard Ohm Values	50 & 100 Ohms
**Power (C/W)	
Type "X" "S" & "G" Terminals	3 Watts
Type "W" Terminal	0.3 Watts
VSWR (Typ. for all Terminations)	1.25:1 Max.

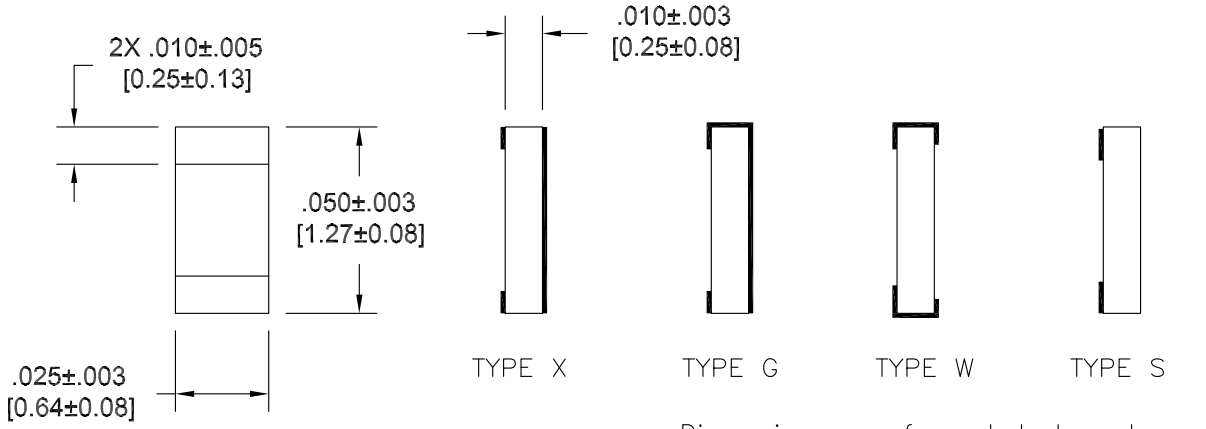
Mechanical:

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: NPC25-50Z-XXXXY



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

HOW TO ORDER:

Model Number: NPCT25-50Z-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
- Ohm Value (Other values available): 50R0 = 50 Ohms; 1000 = 100 Ohms
- Tolerance: G = 2%; J = 5% (Standard)

Ordering Examples:

Model Number: NPC25-50X-1000J
100 ±5%, Gold Terminal, no wraps

Model Number: NPCT25-50G-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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