

RESISTOR, TERMINATION CHIP

DC - 12.4 GHz HIGH POWER



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.

Temperature Range:

Operating _____ -55°C to +150°C

Non-Operating _____ -65°C to +150°C

Mechanical:

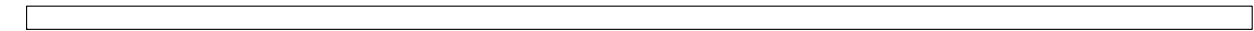
Substrate _____ Beryllium Oxide Ceramic

Resistor _____ Tantalum Nitride

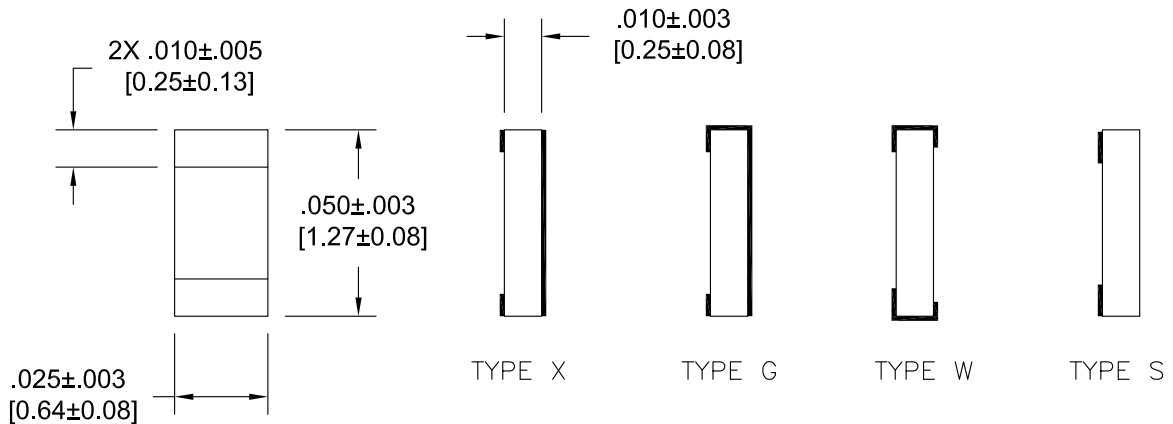
Solderable Terminals _____ Gold

(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

Tolerance
G = 2%
J = 5% (Standard)

Ohm Value (Other values available)
50R0 = 50 Ohms
1000 = 100 Ohms

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.