

# Resistor/Termination Chip, High Power

### Model: CJ00ZAA01

Legacy Model: NPC20-40

## **Technical Specifications**

Parameter	Value
Electrical	
Frequency Range	DC – 18 GHz
Ohm Values	50 & 100 Ohms
Power (C/W)* Type X, G & S Terminals Type W Terminal	1 Watts 0.1 Watts
VSWR	1.25:1 max.
Temperature Range Operating Non-operating	-55°C to +150°C -65°C to +150°C

Parameter	Value
Mechanical	
Substrate	Beryllium Oxide Ceramic
Resistor Material	Tantalum Nitride
Terminal Finish	Gold See How to Order for tinning and other options

#### Model Number: CJ00XAA01XXXXY shown

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

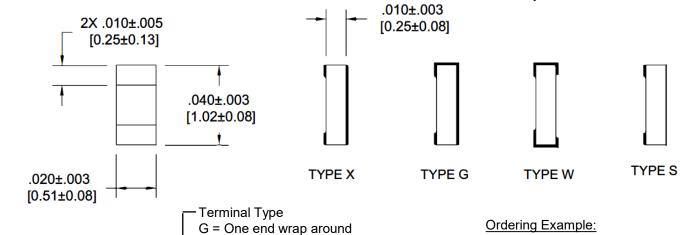
\*\*Dimensions in brackets are expressed in millimeters and are for reference only.

Model Number: CJ00XAA011000J

Model Number: CJ0TGAA0150R0G

100 Ohms, ±5%, Gold terminal, no wrap

50 Ohms, ±2%, tinned, one end wraparound



### **How To Order**

0 = Gold

X = No wrap

W = Both ends wrap around

S = Backside blank

#### CJ0TZAA01XXXX Tolerance $G = \pm 2\%$ **Terminal Options** J = ±5% (standard) T = Tin Lead Solder

H = Lead Free Solder Ohm Value 50R0 = 50 Ohms

1000 = 100 Ohms

(Other values available)

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<sup>\*</sup> 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 heaksink.