

## ORDERING INFORMATION

PART IDENTIFIER: CTH0603ALN1SMTF



## SPECIFICATIONS

## 1. ELECTRICAL:

Nominal Impedance:	50 $\Omega$ $\pm$ 10%
Frequency Range:	DC – 67 GHz
Input Power CW:	1 W
Peak Power:	10 W (1 $\mu$ s pulse width/1% duty cycle)
*VSWR:	*1.25:1 Typical; 1.50:1 Max

\*Note: When properly installed in a matched 50  $\Omega$  system per Smiths Interconnect recommended mounting criteria.

## 2. ENVIRONMENTAL:

Operating Temperature:	-55°C to +150°C
Non-operating Temperature:	-65°C to +150°C
Temperature Coefficient:	$\pm$ 200 PPM/°C Max

## 3. MARKING:

Unit Marking:	SINT with Dot Marking
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## 4. QUALITY ASSURANCE:

Sample Inspect Per ANSI/ASQC Z1.4 General Inspection, Level II, AQL=1.0.

Visual and Mechanical Examination for Conformance to Outline Drawing Requirements

Measure DC Resistance

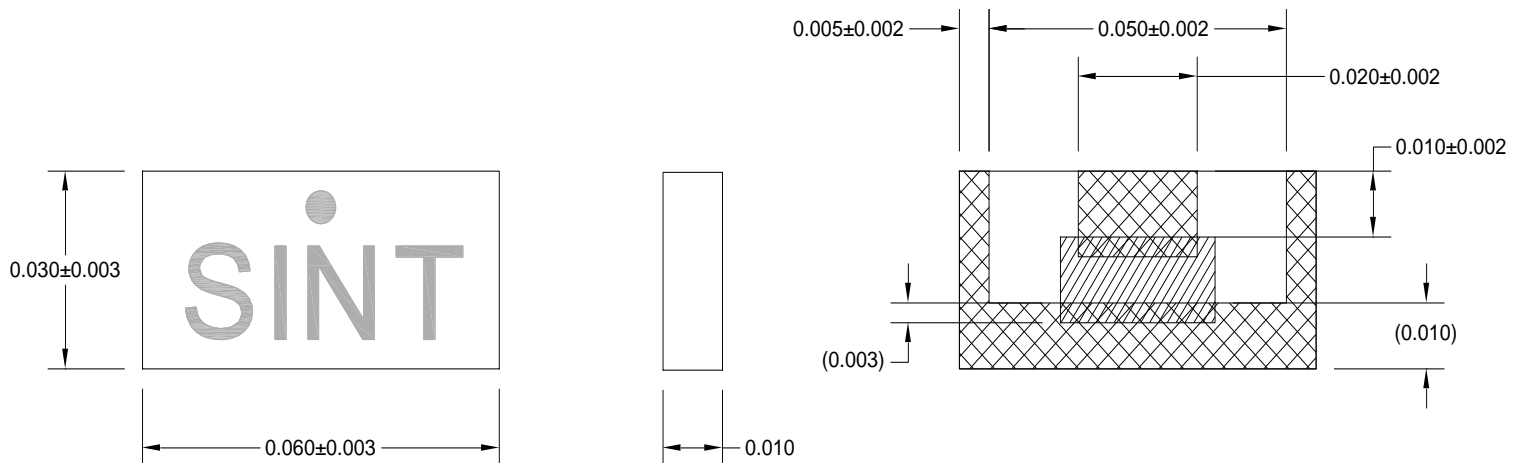
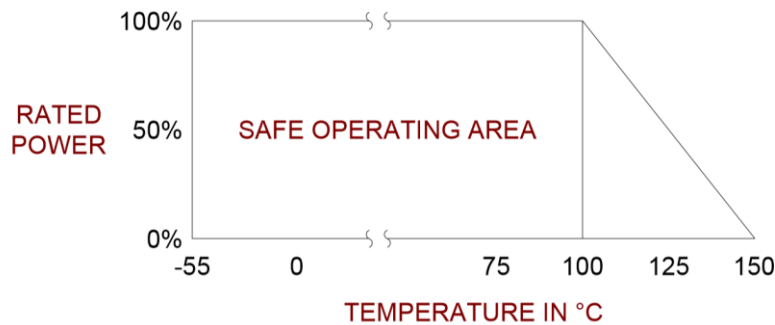
Data Retention - Standard

## 5. PACKAGING:

Standard:	Waffle or Tape & Reel
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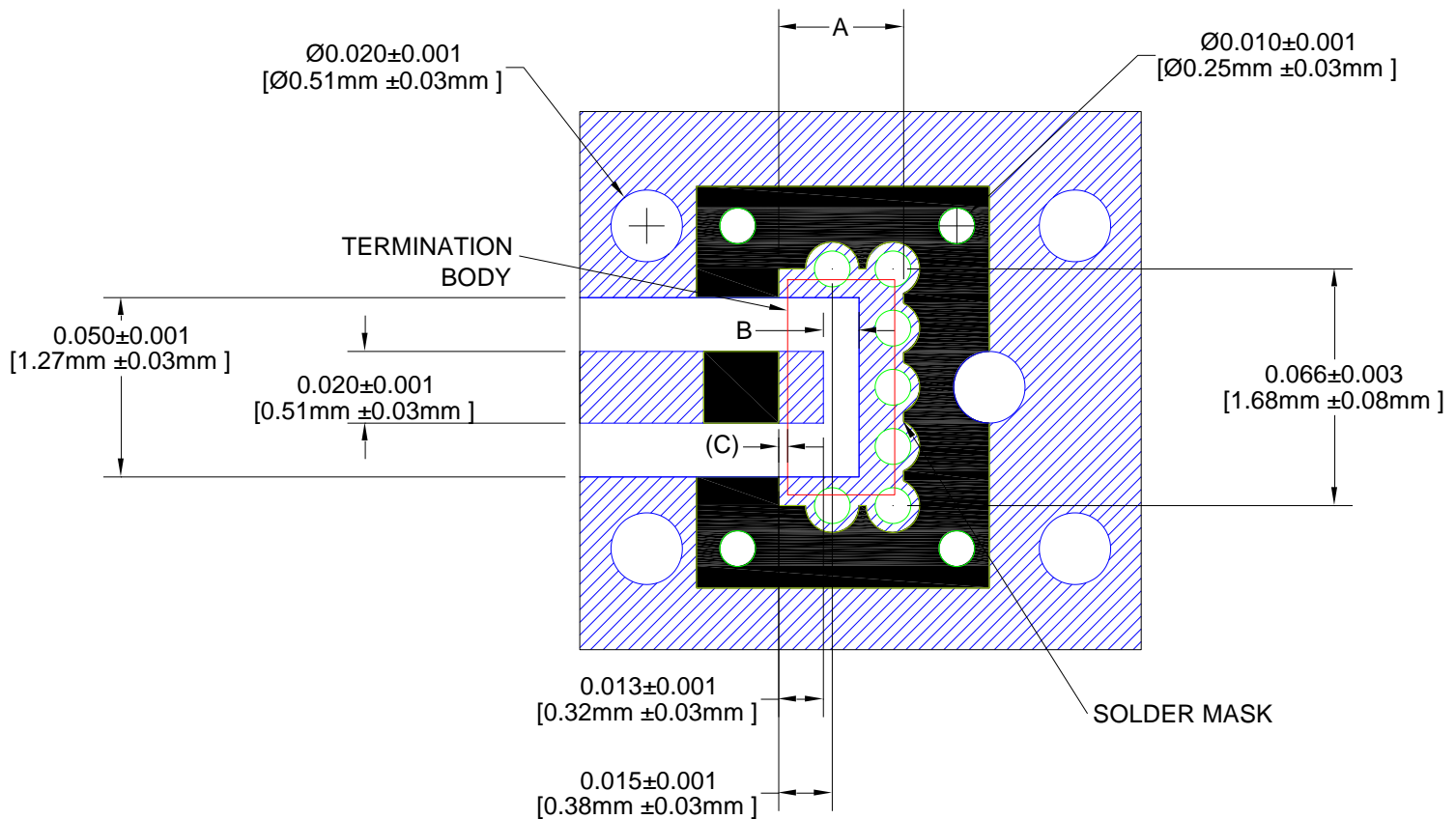
**6. MECHANICAL:**

Substrate Material:	Aluminum Nitride
Terminal Material:	Gold Over Nickel
Ground Bars:	Gold over Nickel
Resistive Element:	Thin Film, Tantalum Nitride
Metric Dimensions:	Provided for reference only



Unless Otherwise Specified: TOLERANCE: X.XX =  $\pm 0.01$  X.XXX =  $\pm 0.005$

## 7. FOOTPRINT:



DESIGN BASED ON MICROSTRIP, ROGERS 6035HTC, 0.010" SUBSTRATE

Dimension A = .035" is the Solder Mask width

Dimension B = .010" is Transmission line end to GND plane

Dimension C = (.0025") nominal, as it is the DUT- to-solder mask distance.