

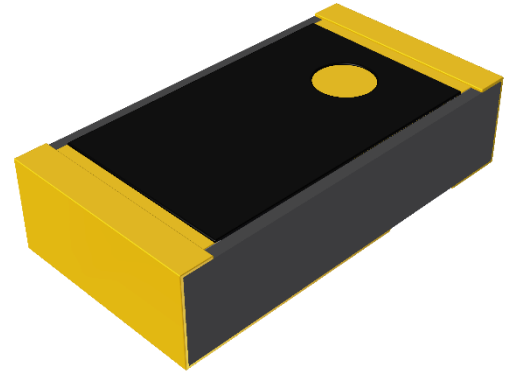
SURFACE MOUNT TERMINATION CVD DIAMOND CHIP 30 WATTS

DATASHEET PART SERIES: CT0603DW2

Sheet 1 of 2
Doc# CT0603DW2-1013405ECO-082846
Revision A

ORDERING INFORMATION

Part Identifier: CT0603DW2



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω \pm 5%
Frequency Range:	DC - 18GHz
Input Power CW:	30 Watts
Peak Power:	300 W (1 μ s Pulse Width / 1% Duty Cycle)
VSWR:	DC- 6 GHz 1.3:1 6-12 GHz 1.5:1 12-18 GHz 1.9:1

2.0 ENVIRONMENTAL

Operating Temperature:	-55 °C To + 150 °C
Storage Temperature:	-55 °C To + 150 °C
Temperature Coefficient:	\pm 200 PPM/°C Max

3.0 MARKING

Unit Marking:	Dot indicated as an Input
---------------	---------------------------

4.0 QUALITY ASSURANCE

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

Visual and Mechanical Inspection for Conformance to Outline Drawing

Measure DC Resistance

Data Retention - Standard

5.0 PACKAGING

Standard:	Tape and Reel
-----------	---------------

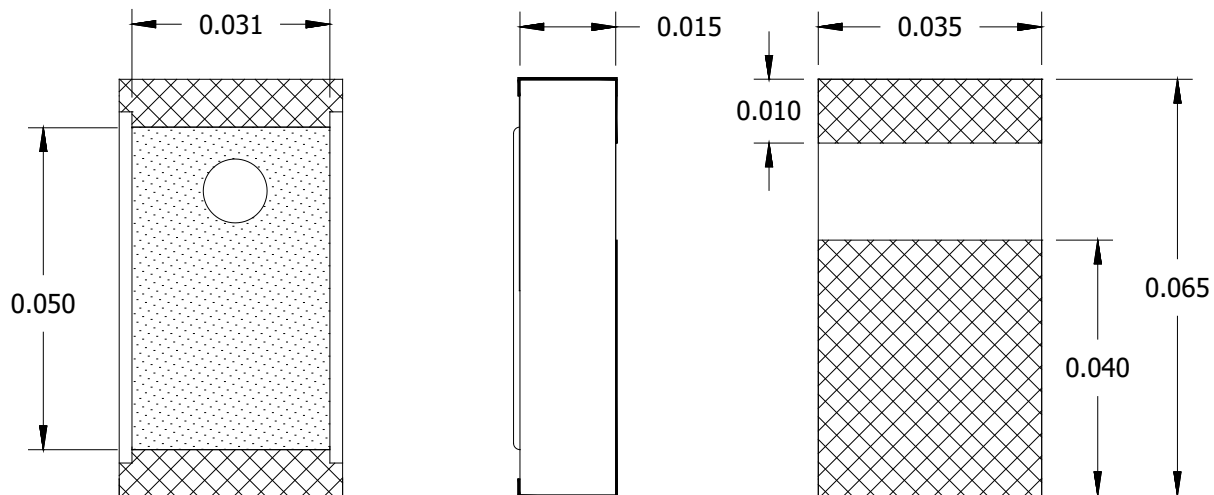
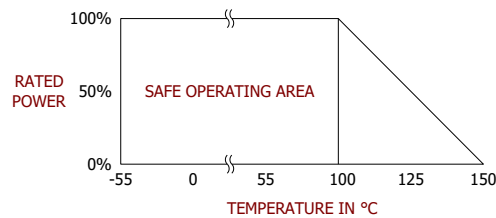
SURFACE MOUNT TERMINATION CVD DIAMOND CHIP 30 WATTS

DATASHEET PART SERIES: CT0603DW2

Sheet 2 of 2
Doc# CT0603DW2-1013405ECO-082846
Revision A

6.0 MECHANICAL

Substrate Material:	CVD Diamond
Terminal Material:	Gold over Nickel
Ground Plane Material:	Gold over Platinum
Resistive Element:	Passivated TaN
Metric Dimensions:	Provided for reference only

Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.10 X.XXX = ± 0.005