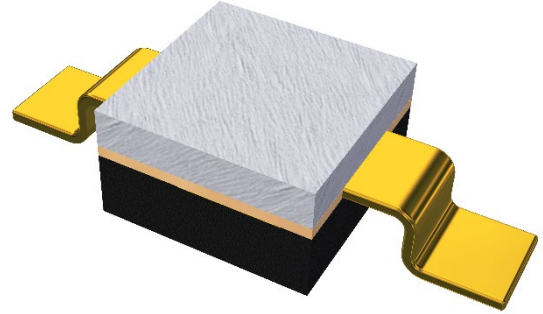


RESISTOR CVD DIAMOND CHIP 50 WATTS, BENT TAB**DATASHEET PART SERIES: CR0505DXXX,5TB**Sheet 1 of 2
Doc# CR0505DXXX5TB-1013135ECO-082845
Revision C**ORDERING INFORMATION****Part Identifier:**

CR0505DXXX,5TB

Attenuation Value

**SPECIFICATIONS****1.0 ELECTRICAL**

Nominal Impedance:	50 & 100 $\Omega \pm 5\%$
Frequency Range:	DC – 18 GHz
Typical Capacitance:	0.1 pF Typical
Input Power:	50 Watts
Peak Power:	500 Watts (1 μ s pulse width, 1% duty cycle)

2.0 ENVIRONMENTAL

Operating Temperature:	-55°C To +125°C
Non-operating Temperature:	-55 °C To +150 °C
Temperature Coefficient:	± 200 PPM/°C Max

3.0 MARKING

Unit Marking:	None
---------------	------

4.0 QUALITY ASSURANCESample Inspect Per MIL-STD-105, Level II, 1.0% AQL.

Visual and Mechanical Inspection for Conformance to Outline Drawing

Measure DC Resistance

Data Retention - Standard

5.0 PACKAGING

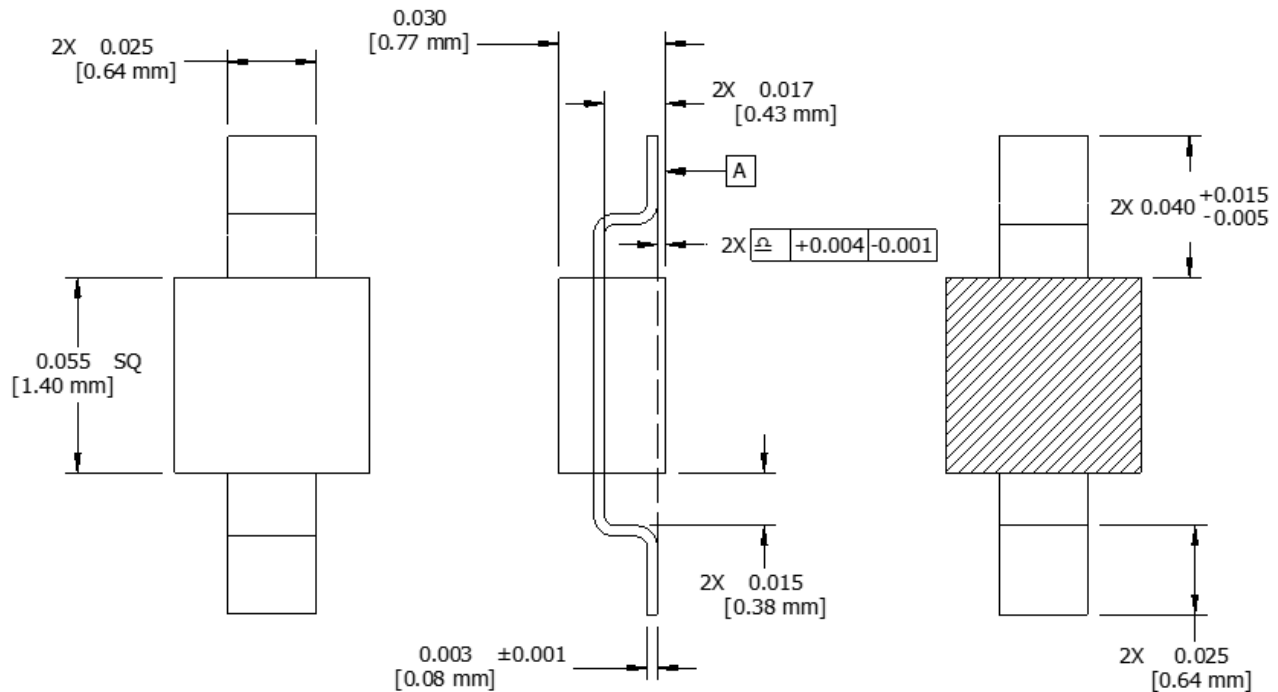
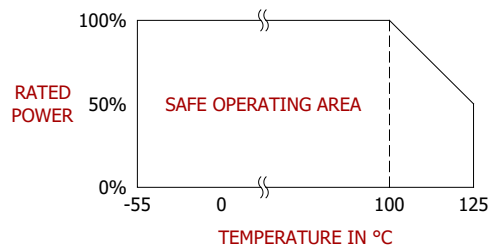
Standard:	Waffle Packaging
Optional:	Tape and Reel

6.0 MECHANICAL

Substrate Material:	CVD Diamond
Resistive Element:	Thin Film
Cover Material:	Alumina
Ground Plane Metallization:	Gold over Platinum
Terminal Metallization:	Gold over Nickel
Tabs:	Beryllium Copper; Gold Plated
Metric Dimensions:	Provided for reference only

RESISTOR CVD DIAMOND CHIP 50 WATTS, BENT TAB

DATASHEET PART SERIES: CR0505DXXX,5TB

Sheet 2 of 2
Doc# CR0505DXXX5TB-1013135ECO-082845
Revision CUnless Otherwise Specified: TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005

Part Number	Inches					mm				
	A	B	C	D	E	A	B	C	D	E
CA0505D XXTB	0.03	0.025	0.02	0.06	0.06	0.76	0.63	0.51	1.52	1.52
CR0505D XXX,5TB	0.03	0.025	0.02	0.06	0.06	0.76	0.63	0.51	1.52	1.52

