

RESISTOR

CVD DIAMOND 50 WATTS, BENT TAB



DATA SHEET

PART SERIES: CR0505DXXX,5TB

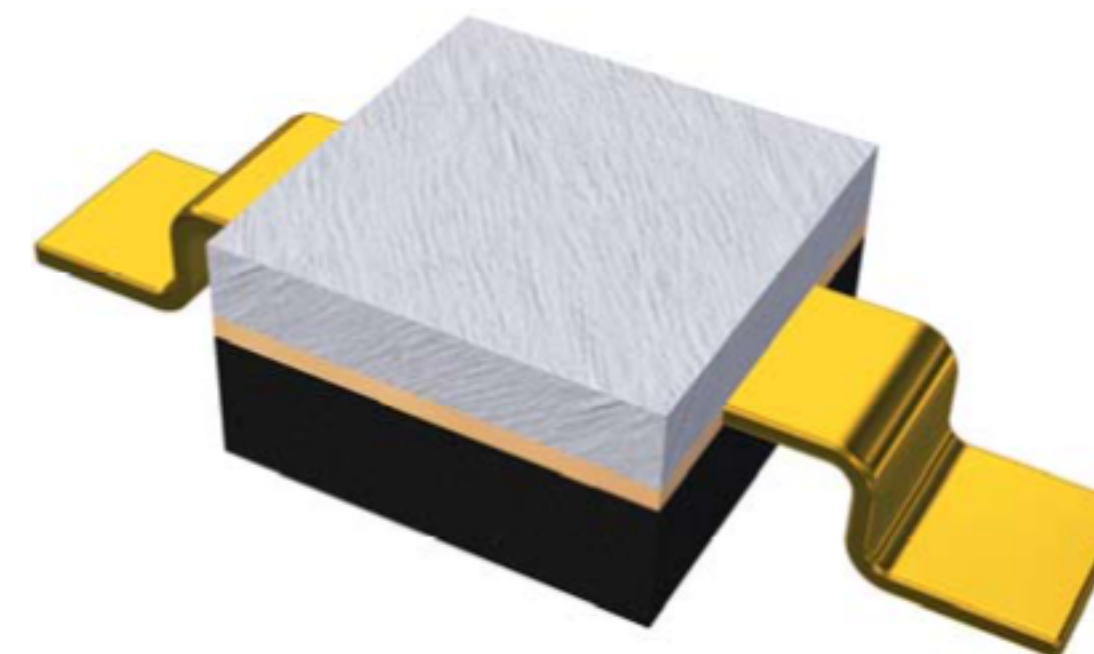
SHEET 1 OF 3
Dwg 1013135EN 16-1038
Revision B

FEATURES

- Small Size - Light Weight
- Highest Thermal Performance Possible
- Excellent Peak Power Capability
- Rugged Passivated TaN Film
- Moisture Resistant
- Pure Gold Input Pads
- Wire Bondable or Solderable
- High Power

APPLICATIONS

- Broadcast
- High Power Filters
- High Power Amplifiers
- Instrumentation
- Isolators
- Military
- Satellite Communications
- Phased Array Radar



GENERAL DESCRIPTION

CVD Diamond Resistors offer extremely high power ratings and smallest size watt-per-watt of any resistor on the planet. These resistors are ideal for military and space applications because of their high power capability, broad frequency response and small, lightweight size. They are ideal for peak power applications. They are manufactured using all thin film construction and have a pure thin film gold finish that is both wire bondable and solderable. They can be supplied with or without solderable tabs. High reliability tested versions per MIL-PRF-55342 are also available. These products are lead free, RoHS compliant and S-level approved. They also meet NASA outgassing requirements for space applications.