

## ORDERING INFORMATION

PART IDENTIFIER: CT1005S

## SPECIFICATIONS

## 1. ELECTRICAL:

Impedance:	50 $\Omega$ Nominal.
Frequency:	DC - 4 GHz.
VSWR:	1.25:1 Max.
Input Power:	Heat Sink 100°C: 15 Watts. (Derate Power Linearly To 0 Watts @ 125°C).

## 2. ENVIRONMENTAL:

Non-Operating Temperature:	-55°C To +150°C.
Operating Temperature:	-55°C To +125°C.

## 3. MARKING:

Unit Marking:	No Marking.
---------------	-------------

## 4. QUALITY ASSURANCE:

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

Visual And Mechanical Per 824W154.

DC Resistance: 50  $\Omega \pm 5\%$ .

Data Requirements:

No Test Data Required for Customer.

Data Retention – Standard.

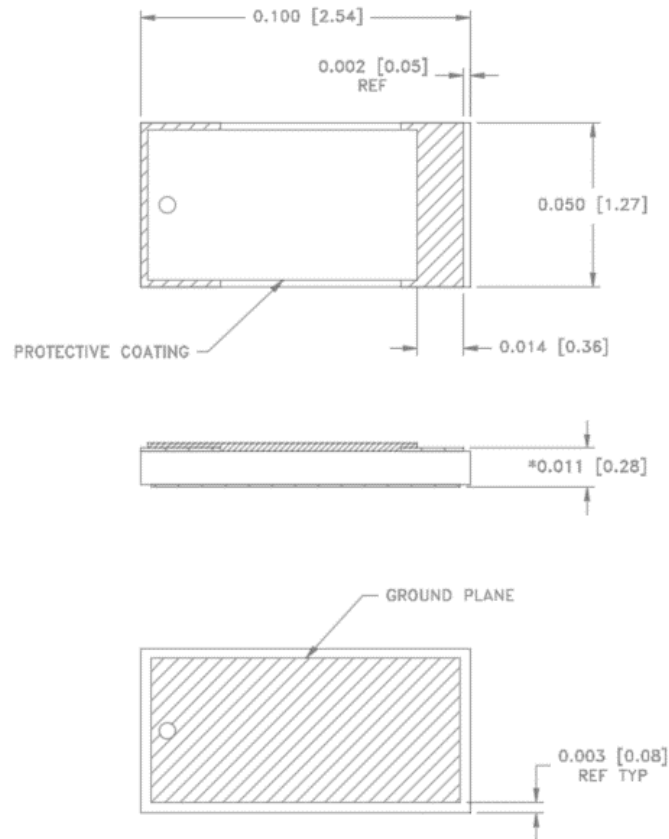
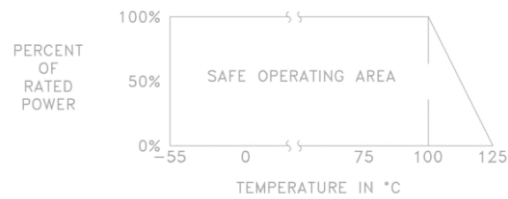
## 5. PACKAGING:

Standard Pack per 755W002.

## 6. MECHANICAL:

Substrate (Material):	Beryllia, ASTM F356.
Terminals and Ground Plane (Material):	Thick Film, Nickel Barrier. Solder Plated.
Resistive Element (Material):	Thick Film, Tantalum Nitride.
Workmanship:	Per MIL-STD-454, Requirement 9.

## POWER RATING AND DERATING



DIMENSIONS APPLY BEFORE SOLDER. ALLOW 0.0015 MAX FOR ALL PRETINNED SURFACES.

Unless Otherwise Specified: TOLERANCE: X.XX =  $\pm 0.02$  X.XXX =  $\pm 0.010$ .