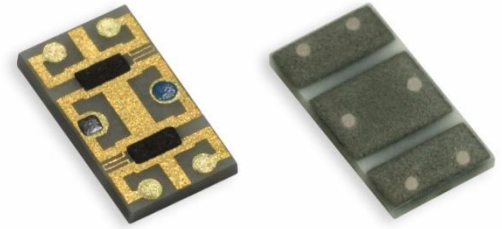
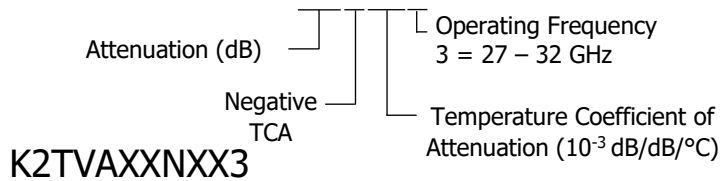


ORDERING INFORMATION

PART IDENTIFIER:



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω
Frequency Range:	27 – 32 GHz
Attenuation Values Available:	3 – 6 dB in one dB increments
Attenuation Accuracy:	± 0.5 dB Typical, ± 1.0 dB Max
VSWR:	1.25:1 Typical; 1.40:1 Max
Input Power	200 Milliwatts
Temperature Coefficient of Attenuation:	-0.005 and -0.007 dB/dB/°C
Temperature Coefficient Tolerance:	± 0.001 dB/dB/°C Typical, ± 0.002 dB/dB/°C Max

2.0 ENVIRONMENTAL

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

3.0 MARKING

Unit Marking:	Dot Marking See Table
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4.0 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

Sample Inspection (Destructive Testing).

Select three (3) units from lot and measure attenuation from 27-32 GHz every 20°C over the temperature range of -55°C to +125°C; Calculate using linear regression, the slope of the curve.

Calculate TCA using the following formula:

$$TCA = \frac{\text{Slope}}{\text{Attenuation @ 25°C}}$$

Inspection in accordance with 824W107

Test Data Requirements:

No Data Required for Customer

Data Retention – 24 Months

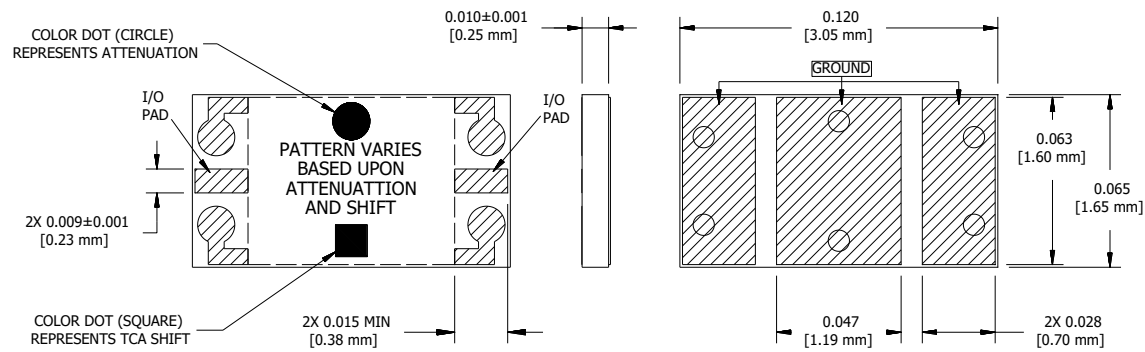
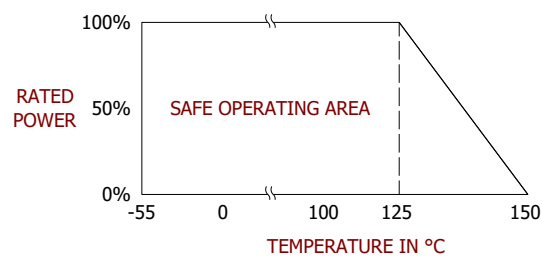
5.0 PACKAGING

Standard:

Waffle

6.0 MECHANICAL

Substrate Material: Alumina
 Terminal Material: Thick Film Bondable Gold
 Ground Plane: Solderable Gold
 Resistive Element: Thick Film
 Workmanship: PER MIL-PRF-55342
 Metric Dimensions: Provided for reference only



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005

7.0 SUGGESTED MOUNTING

Refer to Application Note AN0006 Figure 7, for Recommended Mounting Instructions.

COLOR DOT CODE TABLE		
COLOR	ATTENUATION (dB)	TCA (dB/dB/°C)
ORANGE	3	NA
YELLOW	4	NA
GREEN	5	-0.005
BLUE	6	NA
VIOLET	NA	-0.007

CIRCUIT SCHEMATIC

