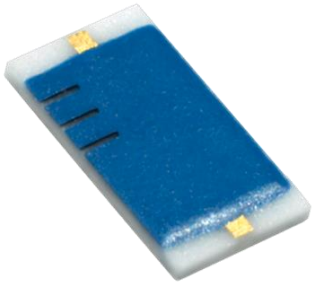
SPECIFICATIONS

PART IDENTIFIER: KTVAXX00NXXX

- (X) Frequency Range
- (XX) TCA (dB/dB/°C) X 10^3
- TCA Slope (N = Negative)
- (XX) Nominal Attenuation



1.0 ELECTRICAL

Nominal Impedance:	50 Ω
Frequency Range:	1=16-22GHz, 2=18-32GHz, 3=28-31GHz, 4=32-36GHz, 5=16-36GHz
Attenuation Values Available:	2-6dB in 1dB increments
Attenuation Accuracy:	@ 25°C: ± 1.0 dB
VSWR:	1.35:1 Typical
Input Power	100 mW
Temperature Coefficient of Attenuation:	-0.005, -0.006 and -0.007 dB/dB/°C
Temperature Coefficient Tolerance:	Min – 0.004 dB/dB/°C

2.0 ENVIRONMENTAL

Operating Temperature:	-55˚C to +150˚C
Storage Temperature:	-55˚C to +150˚C

3.0 MARKING

Unit Marking:	Vertical “I” for each dB. I.E. 3dB=”III”

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 DCA 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:

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

Inspection in accordance with 824W107

Test Data Requirements:

No Data Required for Customer

Data Retention – 24 Months

5.0 PACKAGING

Standard:	Waffle

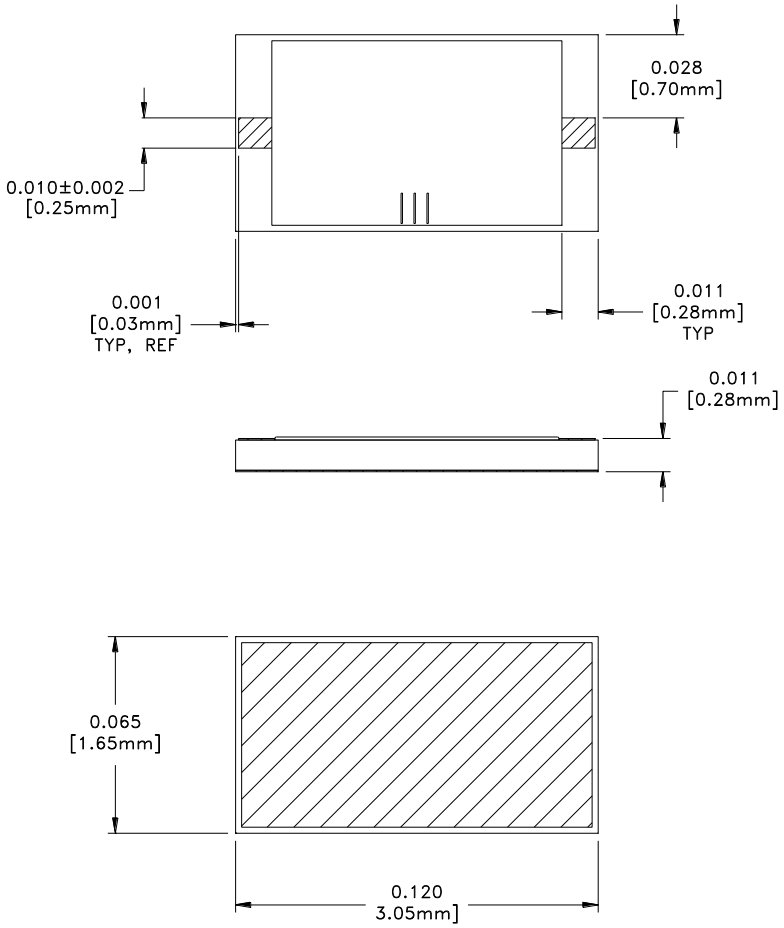
AMERICAS
Sales: Focom.uscsr@smithsinterconnect.com
Technical Support: Focom.techsupport@smithsinterconncet.com

EUROPE
Sales: Focom.emeacsr@smithsinterconnect.com
Technical Support: Focom.techsupport@smithsinterconncet.com

ASIA
Sales: Focom.asiacsr@smithsinterconnect.com
Technical Support: Focom.techsupport@smithsinterconncet.com

6.0 MECHANICAL

Substrate Material:	Alumina, MIL-I-10
Terminal Material:	Thick Film, Bondable Gold
Workmanship	PER MIL-PRF-55342
Ground Plane:	Thick Film
Resistive Element:	Thick Film
Metric Dimensions:	Provided for reference only



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

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