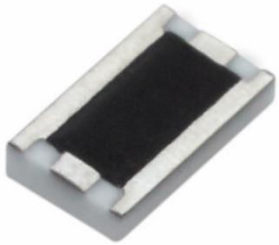
ORDERING INFORMATION

PART IDENTIFIER: KTVAXXNXXXSMTF

- (X) FREQUENCY RANGE
- (XX) TCA (dB/dB/°C) X 10^3
- TCA SLOPE (N=NEGATIVE)
- (XX) NOMINAL ATTENUATION



SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance:	50 Ω
Frequency Range:	5=18-27GHz, 6=27-36GHz
Attenuation Values Available:	2-6dB in 1dB increments.
Attenuation Accuracy:	@ 25°C: ± 1.0 dB
VSWR:	1.50:1 Maximum
Input Power:	100 mW @ 100°C, Derated linearly to 0 Watt @ 150°C
Temperature Coefficient of Attenuation:	-0.003, -0.005, -0.006 and -0.007 dB/dB/°C
Temperature Coefficient Tolerance:	±0.001dB/dB/°C Note: -0.007 ±0.002

2. ENVIRONMENTAL:

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

3. MARKING:

Unit Marking:	dB Value (X), Direction of Shift (N) and TCA Shift (X).

4. 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. PACKAGING:

Standard:	Waffle

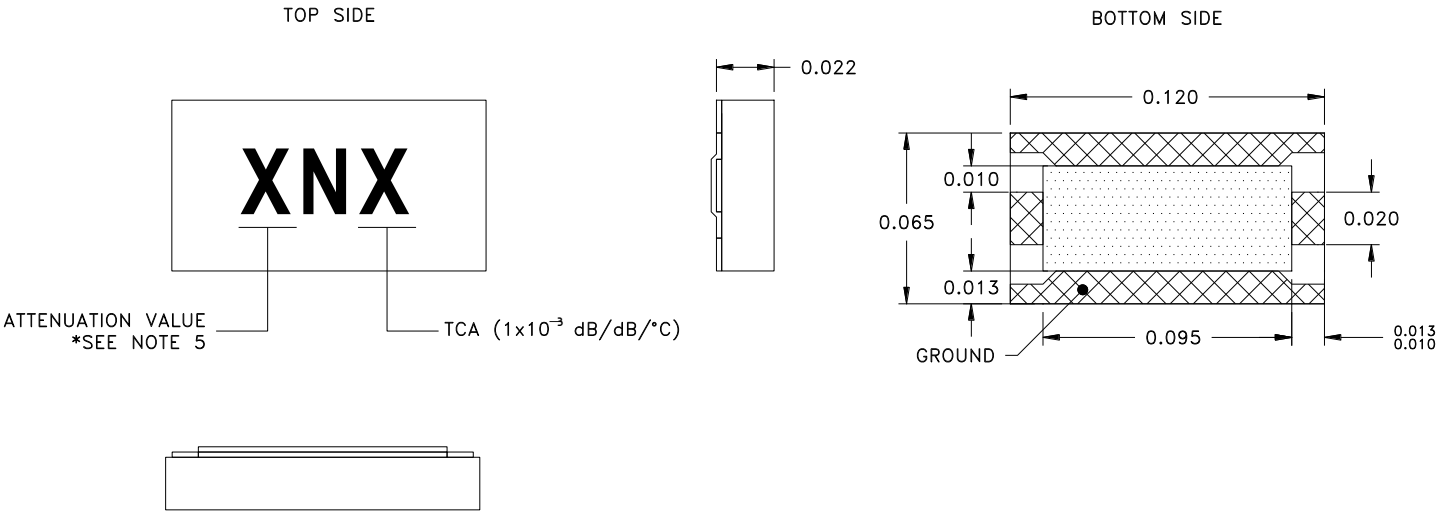
AMERICAS
Sales: Focom.uscsr@smithsinterconnect.com
Technical Support: Focom.techsupport@smithsinterconncet.com

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. MECHANICAL:

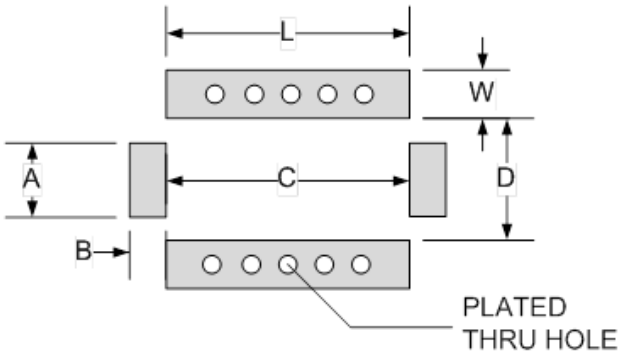
Substrate Material:	Alumina, MIL-I-10
Terminal Material:	Thick Film, Nickel Barrier, Silver Plated
Workmanship	PER MIL-PRF-55342
Resistive Element:	Thick Film
Metric Dimensions:	Provided for reference only



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

7. FOOTPRINT:

	Inches					mm				
Part Number	**A**	**B**	**C**	**D**	**W**	**A**	**B**	**C**	**D**	**W**
KTVAXXNXXXSMTF	0.020	0.010	.095	0.039	0.013	0.51	0.25	2.41	1.01	0.32



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