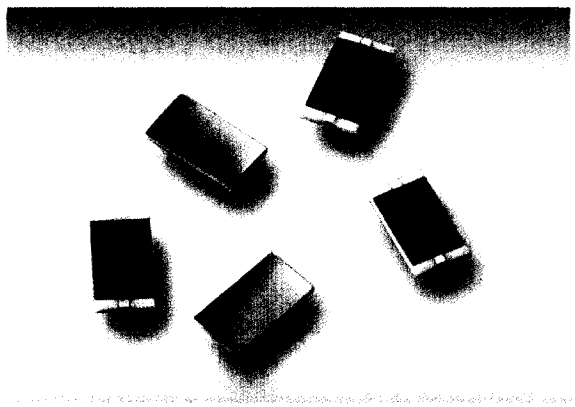


*EMC Technology's KTVA high frequency Thermopads are ideal for millimeter-wave amplifiers. These temperature variable attenuators are wire bondable and designed to work in frequencies from 18 to 46 GHz. The devices have a small footprint and a low profile.*

## General Specifications

*Nominal Impedance* ..... *.50 Ohms Nominal*
*Frequency Range* ..... *18 to 46 GHz*
*Attenuation Accuracy* ..... *.± 0.5 dB to ±1.0 dB*
*TCA Tolerance* ..... *.± 0.001 dB/dB/°C*
*VSWR (Max)* ..... *.1.35*
*Power Rating* ..... *.100 mWatts*
*Power Derating* ..... *100% @ 125° C*
*Derates to 0% @ 150° C*
*Operating Temperature* ..... *-55° C to 150° C*

## Material Specifications

*Substrate* ..... *Alumina*
*Resistive Material* ..... *Thick Film*
*Termination Material* ..... *Thick Film, Wire Bondable Gold*

## Usable Frequency Range Reference Table

*CTVA* ..... *DC to 2 GHz*
*TVA, W1, W3* ..... *DC to 6 GHz*
*MTVA, G (N3, N4, N5)* ..... *DC to 18 GHz*
*MTVA, G (N6, N7)* ..... *.DC to 12.4 GHz*
*MTVA, W3, WB1, W1* ..... *DC to 12.4 GHz*
*HTVA* ..... *.DC to 20 GHz*
***KTVA*** ..... *.18 to 46 GHz*
*Coaxial TVA* ..... *.DC to 6 GHz*

## Ordering Information

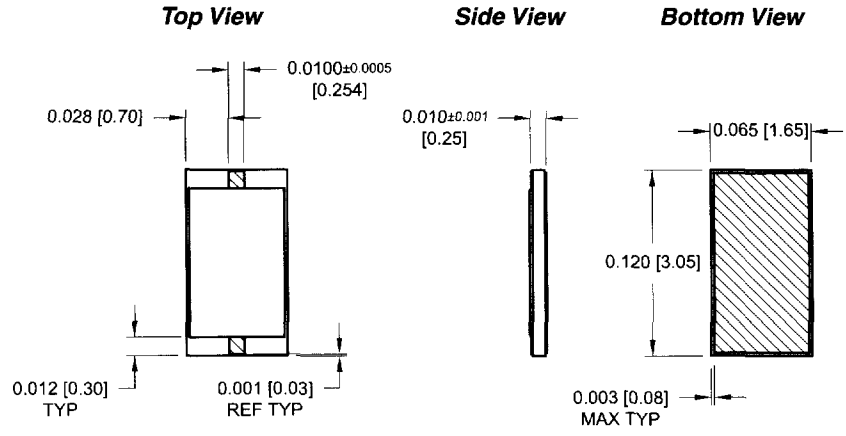
KTVA **SERIES** **KTVA**

03 **NOMINAL ATTENUATION** **03** = 3dB, **04** = 4dB, **06** = 6dB

00 **EMC CODE**

N **TCA SLOPE** **N** = Negative

05 **TCA (dB/dB/°C)** **05** = .005, **06** = .006, **07** = .007

1832 **FREQ. RANGE (GHz)** 18-22, 18-32, 28-31, 42-46

## Product Dimensions