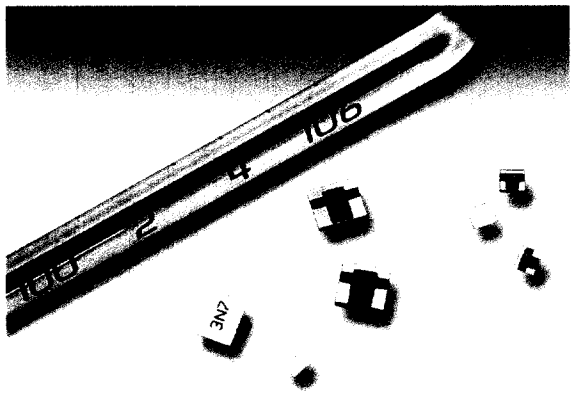


EMC Technology's CTVA Thermopad is a 75 ohm version of the standard temperature variable attenuator. It can be used in 75 ohm applications where variable dissipated power is required over temperature.

General Specifications

Nominal Impedance . . . . . *.75 Ohms Nominal*
Frequency Range . . . . . *DC to 2 GHz*
Attenuation Accuracy . . . . . *.± 0.5 dB*
TCA Tolerance . . . . . *.± 0.001 dB/dB/°C*
VSWR (Typical) . . . . . *.1.25 @ 1 GHz*
Power Rating . . . . . *.2.0 Watts*
Power Derating . . . . . *.100% @ 125° C*
Derates to 0% @ 150° C
Operating Temperature . . . . . *-55° C to +150° C*

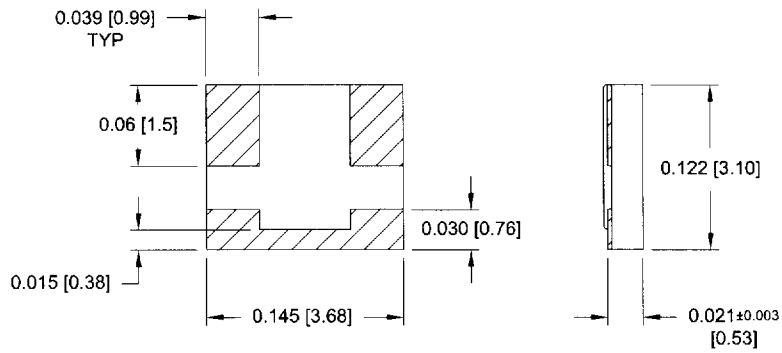
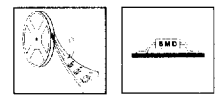
Material Specifications

Substrate . . . . . *Alumina*
Resistive Material . . . . . *Thick Film*
Termination Material . . *Thick Film, Nickel Barrier with Solder Plated Finish*

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

CTVA	03	00	N	05
SERIES CTVA	**NOMINAL ATTENUATION** **1.5** = 1.5 dB, **02** = 2 dB, **03** = 3 dB, **04** = 4 dB	**EMC CODE**	**TCA SLOPE** **N** = Negative	**TCA (dB/dB/°C)** **07** = .007, **08** = .008, **09** = .009, **10** = .010, **11** = .011

Product Dimensions