

## SURFACE MOUNT TERMINATION, ALUMINUM NITRIDE

DATASHEET PART SERIES: SMT1206ALNS

Sheet 1 of 2  
Doc# SMT1206ALNS-1012655ECO-085409  
Revision -

## ORDERING INFORMATION

PART IDENTIFIER: SMT1206ALNS

ASSEMBLY DWG: 1012654

## SPECIFICATIONS

**1. ELECTRICAL:**

Impedance:	50 $\Omega$ Nominal.
Frequency:	DC – 2.5 GHz.
VSWR:	1.25:1 Max.
Input Power:	Heat Sink 100°C: 10 Watts (Derate Power Linearly To 0 Watts @ 125°C).

**2. ENVIRONMENTAL:**

Non-Operating:	-55°C To +150°C.
Operating:	-55°C To +125°C.

**3. MARKING:**

Unit Marking:	None.
---------------	-------

**4. QUALITY ASSURANCE:**

Sample Inspect Per ANSI/ASQC Z1.4 General Inspection, Level II, AQL = 1.0.

Visual And Mechanical Per 824W154.

DC Resistance: 50  $\Omega \pm 5\%$ .

Data Requirements:

No Test Data Required for Customer.

Data Retention - Standard.

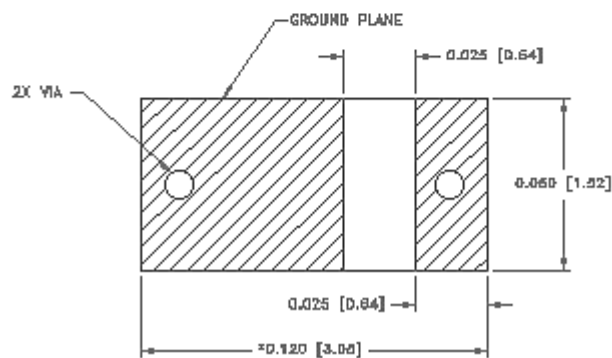
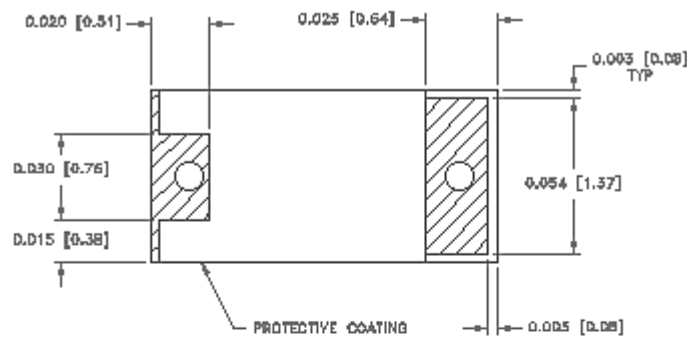
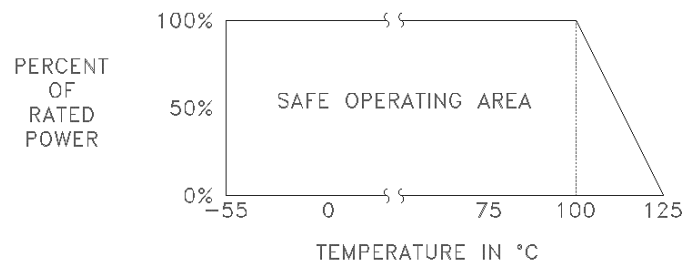
**5. PACKAGING:**

Standard Packing Per 755W002.

**6. MECHANICAL:**

Substrate:	Aluminum nitride, MIL-L-10.
Terminal & Ground Plane:	Thick Film, Nickel Barrier, Solder Fused.
Resist:	Thick Film.

POWER RATING AND DERATING



\*Dimensions apply before solder. Allow 0.015 max for all pretinned surfaces.

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

Metric equivalentents given in [mm] are for reference information only.