



**SURFACE CURRENT ATTENUATING SHEETS**

**KV-SCA-U-1.5**

- a. Description: Urethane Rubber based thin flexible magnetically loaded broadband surface current attenuating sheet.
- b. Thickness : Approx. 1.5 mm
- c. Application: KV-SCA is used to attenuate surface currents from 1.0 GHz to millimeter wave wherever surface currents may occur, say in solid state microwave devices such as Amplifiers, Oscillator converters etc, reduction of RCS of Complex objects both by reducing specular reflection as well as surface currents etc.
- d. Typical Attenuation: Attenuation shall vary from about 5.0 dB / cm at 1.0 GHz to 50.0 dB / cm at 10.0 GHz rising up to 90.0 dB/cm at 18.0 GHz.
- e. Standard Size / Weight: 300 mm X 300 mm X 1.5 mm sized sheet weighs approximately 650 gm. Density of sheet is approximately 5.0 gm / cc.
- f. Instruction of Use:
  - i. These sheets are designed to be placed intimately on a metallic surface
  - ii. It is a homogeneous material
  - iii. Ask for detailed instruction for use and the adhesives.