K5 COOLING BLOCK WITH ATTACHED ALUMINUM NITRIDE WASHER AND SPRING CONTACT TO AGND

BERYLLIUM-COPPER FLAT WIRE SPRING

GOLD PLATED CONTACT TO AGND

AIN WASHER WITH CONTACT EAR

COPPER PLATING ON SUBSTRATE, 16 UM INCLUDING UNDER BLOCK

SOLDER SEAM TO AGND LAYER 6 OF KAPTON

BLACK OUTLINE OF COOLING BLOCK

1.42 cm.
K5 ALUMINUM NITRIDE WASHER GLUED TO HYBRID

STEREO FACE VIEWS:
AIN DIELECTRIC WINDOW FACES TO HYBRID OR AWAY

- Silver epoxy to plated substrate at window
- Epoxy with TRA-CON 2003 Diamond fill
- Contact to AGND
- Foil strip
- Window in washer dielectric layer
- Solder seam to AGND layer 6 of Kapton
- Copper plating on substrate, 16 um including under block
- AIN washer with contact ear
- Black outline of cooling block

Laminated foil or plated substrate

CROSS-SECTION THROUGH COOLING BLOCK

Substrate

AIN

Kapton

Washer glued to Hybrid

Cooling Block

AIN WASHER WITH COVERED CONDUCTIVE LAYER