

View Online at <https://aerobasegroup.com/nsn/6685-01-069-3639>

**Product Name:**

Source, blackbody radiation

**General Description:**

Dsensing element: platinum resistance thermometer; thermocouple: platinum/platinum-10 pct.Rhodium, with encapsulated cold junction; cavity: conical, recessed 20 deg, 0.50 inch dia; control: set pt.Adjustible, electronic proportional control; goniometric properties: the spectral radiance at any viewing angle within a 10 degree cone around the optic axis shall be within 2 pct ofthe spectral radiance along the optical axis of the cavity when viewed with an optical system focused on the cavity entrance aperture; temperature: range= 50 to 1200 degrees c, stability= 8 hrs porm 0.50 degrees c or better longterm, 1 hr porm 0.1 degrees c shortterm, gradients= none greater than 0.2 degrees c, source housing= 20 degrees c above ambient maximum at 1000 degrees c; emissivity: 0.99 porm 0.01 in the 1.0 to 15.0 micrometer region of spectrum; standard apertures: 0.2000, 0.1000, 0.0500, 0.0250, 0.0125, (selectable wheel) dia; controller output: 1000 watts max; power: 117 vac porm 10 pct, 50-60 hz, 8.0 amps max

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No