This miniature switch mode power supply (MSPS) is designed for use in missile applications. The MSPS uses a +/-20Vdc input voltage to provide six regulated DC voltage outputs. These voltage outputs are –2500V, +640V, +180V, +15V, -15V and +5V. The MSPS includes filtering on the input to reject high frequency noise spikes generated by mechanical power generators. The line and load regulation for the +640V output is less than 1%. The voltage regulation for the low voltage outputs is less than 4%. The power supply will operate from an input voltage range of 16Vdc to 35Vdc. The MSPS will reject 1-volt noise spikes generated at 1kHz. The power density of the MSPS is 5 Watts per cubic inch.

**Specifications:**

**Electrical Specifications**
- **Nominal Input:** +/-20Vdc
- **Output:** -2500Vdc, +640Vdc, +180Vdc, +15Vdc, -15Vdc and +5Vdc
- **Power:** 1.2W
- **Efficiency:** 58%

**Mechanical Specifications**
- **Operating Temperatures:** -40°C (-40°F) to 85°C (185°F)
- **Weight:** 0.385 oz
- **Package Size:** 1.9" X 1.0" X 0.3"