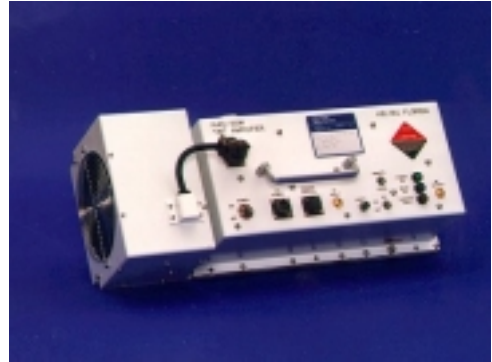


## H40 Series Mini TWT Amplifiers

The H40 series integrates a mini TWT with the proven M720 power supply. Its compact, lightweight package is environmentally sealed for outdoor use and includes a remote control panel. The H40 series is designed specifically for VSAT applications. Available in the C, X, or Ku band at 50 watts minimum output power. Also available is our multiband unit which covers 5.9 to 14.5 GHz in a single unit.



### Standard Features

- Compact, Lightweight Package
- Environmentally Sealed for Outdoor Use
- Remote Control Panel Included
- Operates in:
  - C Band - 5.9 to 6.4 GHz
  - X Band - 7.9 to 8.4 GHz
  - Ku Band - 14.0 to 14.5 GHz
  - CIJ Band - 5.9 to 14.5 GHz

### RF Specifications

**Output Power at Saturation:**... 5.9 to 6.4 GHz: 50W, Min.  
... 7.9 to 8.4 GHz: 50W, Min.  
... 14.0 to 14.5 GHz: 50W, Min.  
... 5.9 to 14.5 GHz: 50W, Min.

**Gain at Rated Power:**..... 5.9 to 6.4 GHz: 49 dB, Min.  
..... 7.9 to 8.4 GHz: 49 dB, Min.  
..... 14.0 to 14.5 GHz: 48dB, Min.  
..... 5.9 to 14.5 GHz: 49 dB, Min.

**Residual AM/PM:**..... Below 500 Hz: -32 dBc  
..... 500 Hz to 10 kHz: -40 dBc  
..... 10 kHz to 500 kHz: -20 (1+log 10F) dBc  
..... Above 500 kHz: -74 dBc

### Electrical Specifications

**Prime Power:**  
**Standard**..... 115 VAC +/- 10%, Single Phase, 50-60 Hz  
**Optional**..... 230 VAC  
**Power Consumption:**  
**Maximum**..... 400 W  
**Typical**..... 320 W  
**Power Factor:**..... 75%  
**Protection:**..... TWT Temperature  
..... Power Supply Temperature  
..... Helix Overcurrent

..... Fault Latch

### **Local Controls and Indicators Controls**

Controls:

- Power On/Off
- HV On/Off

Local/Remote Switch Indicators:

- Power On, Beam On, Summary Fault

### **Remote Controls and Indicators**

Controls:

- Power On/Off
- HV On/Off
- Fault Reset/Operate Switch

Indicators:

- Power On, Beam On, Summary Fault