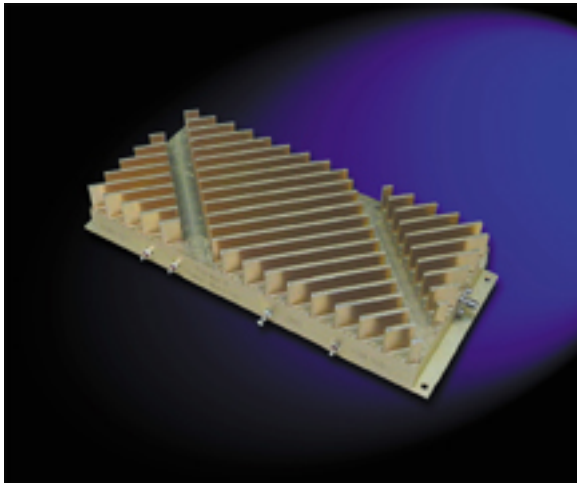


High Power Pulse L Band Solid State RF Amplifier



Aethercomm Part Number SSPA 1.00-1.10-100 is a high power, pulsed, secondary surveillance radar, amplifier that supports all IFF Interrogator challenge and Transponder reply waveforms at both 1030 MHz and 1090 MHz. This model supports Modes 1, 2, 3A, C and S. This PA supports OOK and DPSK modulation formats at both 1030 and 1090 MHz. Minimum output power is 18 dBw. Maximum RF output droop is less than 0.05 dB. The rise and fall times through the PA are less than 10 nSecs. Input / output VSWR are $< 1.5:1$. Harmonic output levels are typically < 80 dBc. Reverse power monitoring and forward power monitoring are standard features. Applied voltage is 28 V DC with a quiescent current of 3.0 amps typical. Standard connectors are SMA female. Power and telemetry signals are accessible via DC pins. Standard package size is 9 \times 4 \times 1.5 with integral heat sink. Mounting is accomplished with 4 holes through the bottom cover.

Source URL (retrieved on 02/01/2015 - 9:12pm):

http://www.wirelessdesignmag.com/product-releases/2001/04/high-power-pulse-l-band-solid-state-rf-amplifier?qt-digital_editions=0