

Product Specification Summary

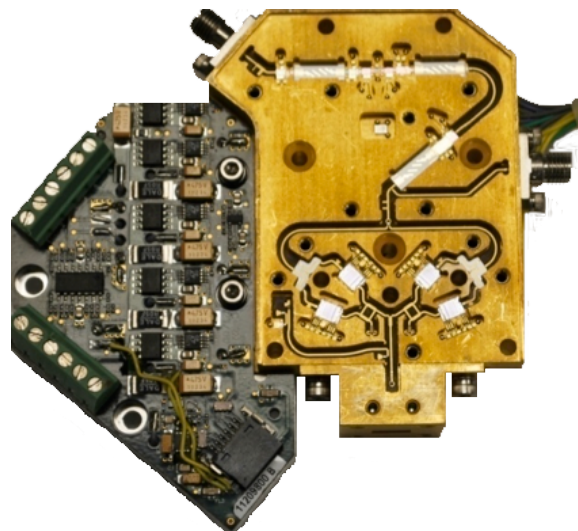
Ka-band Solid-State Power Amplifier Module

This module is a rugged, compact solid-state power amplifier designed for applications operating between 30 and 31 GHz and combines excellent spectral performance with a compact, rugged design. It is indicative of Narda's millimeter-wave power amplifier capabilities and can be modified to accommodate other frequencies and electrical specifications. The unit is designed using Narda's unique fabrication techniques that optimize the use of space, while providing very high isolation between DC and high-frequency components. The unit measures only 4 x 4 x 1 in. and includes RF output power detection, a temperature sensor, RF input bandpass filter, and mute control.

SSPA Series

Key features

- Operates from 30 to 31 GHz
- 5 W linear RF output
- Excellent spectral characteristics
- Integrated mute control, temperature sensor, RF input bandpass filter, and RF power detector
- Measures 4 x 4 x 1 in.
- Operates from +5.5 VDC at 7 A and +6.5 VDC at 1.3 A



DC and control circuits (left) and
RF and microwave circuits (right)

Frequency range (GHz)	30 to 31
RF output power (W)	5
Gain (dB)	70
Spectral regrowth (dBc)	-30 at rated power 1 symbol rate OQPSK
DC power (VDC @ A)	+5.5 @ 7, +6.5 @ 1.3
Dimensions (in.)	4 x 4 x 1
Features	<ul style="list-style-type: none">• Bandpass filter on RF input• Mute control• RF power detector• Temperature sensor

Please consult the factory for detailed product specifications.

narda
microwave-east

an  communications company

Address: 435 Moreland Road, Hauppauge, NY 11788

Phone: (631) 231-1700

Fax: (631) 231-1711

Web: <http://www.nardamicrowave.com>

E-Mail: nardaeast@l-3com.com

Cleared by DoD/OSR for public release under OSR case number 10-S-1085 on 4 May 2010