# 320W Ka-Band Solid State Power Amplifier

**MODEL:** PA-29A030A0-5570

## PERFORMANCE

**AMPLIFIER CHARACTERISTICS:**
- Gain Range: 70.0±3.0 dB
- Gain Variation: ±1.5 dB ptp over temperature
- Gain Flatness: ±1.5 dB ptp over full bandwidth
- P1dB: 55.0 dBm (320W)
- Plinear: 51.0 dBm
- IMD3 @ Plinear: -25.0 dBc
- Spectral Regrowth, QPSK: -30.0 dBc @ 1.5XS.R. @ Plinear
- Mute: 60.0 dB minimum
- Spurious: -60.0 dBc

## MECHANICAL

**Dimensions (LxWxH):** 19.0" X 22.0" X 10U
- **Weight:** 100 lbs.

## ENVIRONMENTAL

**OPERATING:**
- Temperature: 0 to +50 °C
- Humidity: Up to 95% (Non-Condensing)

**NON-OPERATING:**
- Temperature: -40 to +70 °C
- Shock and Vibration: Normal handling by commercial carriers

Product available from 27.0 to 31.0 GHz up to 1000MHz bandwidth. Special request, please contact info@itselectronics.com

Specifications are Subject to Change without Notice

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