



Ka-Band Compact Outdoor SSPAs

200W CS Saturated Output Power
100W Linear Output Power
27.5 to 31.0 GHz

Built on the legacy of the Teledyne Paradise Datacom rugged Compact Outdoor SSPA package, this **NEW Ka-Band SSPA** is the highest power Solid State Power Amplifier available.

The Ka-Band family of Compact Outdoor SSPAs are available with 80W, 100W or 180W output power. Units are available with a variety of L-Band converter options including 1 GHz wide or multiple 1 GHz wide band segments.

Frequency Range C	$W P_{sat}$	P_{linear} (-25 dBc, 2-Tone)	P_{linear} (-30 dBc SR single carrier)
30.0 to 31.0 GHz	53.0 dBm (200W)	50.0 dBm (100W)	51.0 dBm (100W)
29.0 to 30.0 GHz	53.0 dBm (200W)	50.0 dBm (100W)	51.0 dBm (100W)
27.5 to 30.0 GHz	52.5 dBm (180W)	49.5 dBm (90W)	50.5 dBm (100W)

M&C: RS-485 and Ethernet standard; optional Hand Held Controller

AC Prime Power: 90 to 264 VAC, 47 to 63 Hz; 1500W @ P_{sat} / 1300W @ P_{linear}

Operating Temperature: -40 to +55 C standard; -55 to +60 C option

Humidity: 100% Condensing

Shock: 25g peak-peak, 6 msec pulse

Vibration: MIL-STD-344A

EMI/EMC Certifications:

CE compliant, EN 55022, EN 61000

MIL-STD-461F, CE 102, CS 101, CS 114, CS 115, CS 116, RE 102, RE 103

Typical Ka Band SSPA Bandwidth

