

Multi-Carrier Power Amplifier



Multi-Carrier Cellular Amplifier 1965 to 1990 MHz 25 Watts Model HD14609

Frequency Range:	1965 MHz to 1990 MHz
Output power:	25 Watts Avg. min.
Inter modulation distortion:	-55 dBc min. @ +24V to +28V
RF Gain:	57 dB min.
Gain flatness:	± 1.0 dB
Gain variation with temp:	±0.03 dB/°C max
Output port return loss:	15 dB min
Output protection:	Mismatch protection (Isolator)
Input power:	-13 dBm max
Input port return loss:	15 dB min
Harmonics:	-45 dBc min
Spurious:	-60 dBc min
DC Input power:	+27 Vdc ±, 18 Amps @ 25W Oper.
Operating temperature:	0 to +50°C
Storage temperature:	-40 to +85°C
Operating humidity:	20 to 80% RH (non-condensing)
Storage humidity:	5 to 95% RH (non-condensing)
Connector:	D-Sub

**Linear Feed Forward
Technology**

**Low Inter modulation
Distortion**

Status Monitoring

**Supports Wide
Dynamic Channel
Allocation**

**Low Current
Consumption**

**Models From 10 watts
to 200 Watts**

**AMPS, TDMA, CDMA,
SMR, & W-CDMA**

<u>Alarms:</u>	<u>Monitors:</u>
Over Power, VSWR	Forward Power
DC Failure, loop failure	Reverse power
High temperature, low power	
Fan failure	

<u>Dimensions:</u>	
Size (H x W x D):	14 x 5.5 x 15.12 (In)



HD Communications Corp.
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Connecting The Wireless World

**We also Offer Single Carrier
Amplifiers From 1 MHz to 40
GHz with Power Level from
1 Watt to 2.5 Kw**