

# QA1200

## 1RU RACK MOUNT AMPLIFIER

### 1.2 GHz QUAD Launch Amplifier



QA1200	Gallium Nitride (GaN)
Bandwidth (GHz)	1.218 GHz
Freq. Response (dB)	± 0.25
Channel Loading	79 Analog + 450 MHz Digital
GAIN	27dB
Slope/Gain Control	1" JXP-style
Input Noise Figure	<5.0dB Typical
Output Levels	+43dBmV FLAT*
CIN	73
Comp. Tr. Bt. (-dB)	76
Comp. 2nd Ord. (-dB)	80
Carrier to Noise (dB)	70
Return Loss (dB) worst case	15
DC Amperes @ 24 VDC	1.04
Power Dissipation (Watts)*	25 Total (4 amplifiers)

\*79 CHAN TILTED + 75 DIGITAL(-6dB)

### \*\* Features \*\*

- Energy-Efficient GaN Technology
- Ultra Low Noise Figure
- Pad & EQ on Input and Output
- >80dB Amp-to-Amp Isolation
- >45dB Output-to-Input Isolation
- 40% Less Power Consumption than GaAs Power Doubled
- -20dB Directional Coupler Testpoint

#### ORDERING INFORMATION:

QA 1200 -27 -48  
1 2 3

1 = Frequency Range:

1000=1 GHz GaAs Power Doubled

1200=1.2 GHz GaN

2 = Gain:

27 = 27 dB Gain

3 = Powering:

48 = -48 VDC

AC = 95-250 VAC