



Millimeter-Wave Full Waveguide Band Power Amplifiers

QPI

Characteristics

- ◆ Power Output to 35 dBm
- ◆ Gain Options from 10 to 40 dB
- ◆ Frequency 26.5-40 GHz & 18-26.5 GHz

Product Description

QuinStar Technology's series QPI power amplifiers provide state-of-the-art high power performance in the 18-26.5 GHz and 26.5-40-GHz frequency range. The standard amplifier products are offered with either a coaxial connector or



WR-42 (K-band) and WR-28 (Ka-band) waveguide ports. However, any combination of these interfaces is available as an option. Integral waveguide isolators are also available for improved input and output matches.

Specifications

Model Number	P-1 dB (dBm)	Gain (dB)	Gain Flatness (±dB)	Voltage (V)	Current max. (A)	Outline (pages 31-32)
QPI-K02325-XX	23	25	1.8	12	0.6	J,G
QPI-K02340-XX	23	40	2.0	12	0.7	J,G
QPI-K02725-XX	27	25	1.8	12	1.1	J,G
QPI-K02740-XX	27	40	2.0	12	1.2	J,G
QPI-K03025-XX	30	25	2.0	12	1.8	A,R
QPI-K03040-XX	30	40	2.3	12	1.9	A,R
QPI-K03325-XX	33	25	2.0	12	3.4A	A,R
QPI-K03340-XX	33	40	2.3	12	3.5A	A,R
QPI-K03525-XX	35	25	2.0	12	6.8A	B,K
QPI-K03540-XX	35	40	2.3	12	7A	B,K
QPI-K03730-XX	37	30	2.3	10	13.5	*
QPI-K03740-XX	37	40	2.5	10	14.0	*
QPI-KA2325-XX	23	25	2	10	1.6	A,R
QPI-KA2333-XX	23	33	2	10	1.8	A,R

*Custom outline.

Ordering Information

