

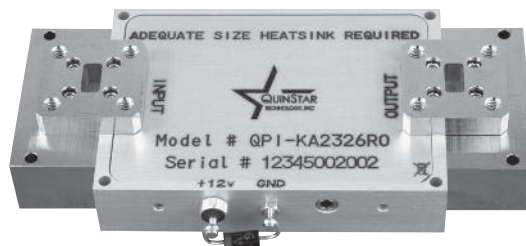


..... Millimeter-Wave Full Waveguide Band Power Amplifiers

QPI

Characteristics

- ◆ Power Output to 38 dBm
- ◆ Gain Options from 10 to 50 dB
- ◆ Frequency 18-75 GHz



Product Description

QuinStar Technology's series QPI power amplifiers provide state-of-the-art high power performance in the 18-75 GHz frequency range. The standard amplifier products are offered with either a coaxial connector or waveguide ports.

However, any combination of these interfaces is available as an option. A wide range of optional features is available for these amplifiers. Please see page 39 for details of these options.

Specifications

Model Number	Frequency Range (GHz)	Power P1dB (dBm)	Gain (dB)	Gain Flatness (±dB)	Voltage (V)	Current (A) typ.	-Voltage (V)	-Current (mA), max.	Outline Pages 40-45
QPI-K02310	K (18-26.5)	23	10	1.5	12	0.5	-	-	J,G,L,S
QPI-K02325	K (18-26.5)	23	25	1.75	12	0.6	-	-	J,G,L,S
QPI-K02340	K (18-26.5)	23	40	2	12	0.7	-	-	J,G,L,S
QPI-K02710	K (18-26.5)	27	10	1.5	12	0.8	-	-	J,G,L,S
QPI-K02725	K (18-26.5)	27	25	1.75	12	1.1	-	-	J,G,L,S
QPI-K02740	K (18-26.5)	27	40	2	12	1.2	-	-	J,G,L,S
QPI-K03010	K (18-26.5)	30	10	1.75	12	1.5	-	-	A,R,M,T
QPI-K03025	K (18-26.5)	30	25	2	12	1.8	-	-	A,R,M,T
QPI-K03040	K (18-26.5)	30	40	2.25	12	1.9	-	-	A,R,M,T
QPI-K03310	K (18-26.5)	33	10	1.75	12	3	-	-	A,R,M,T
QPI-K03325	K (18-26.5)	33	25	2	12	3.6	-	-	A,R,M,T
QPI-K03340	K (18-26.5)	33	40	2.25	12	3.7	-	-	A,R,M,T
QPI-K03625	K (18-26.5)	36	25	2	12	6.8	-	-	B,K,N,Q
QPI-K03640	K (18-26.5)	36	40	2.25	12	7	-	-	B,K,N,Q
QPI-K03825	K (18-26.5)	38	25	2.3	9	13.5	-	-	*
QPI-K03840	K (18-26.5)	38	40	2.5	9	14	-	-	*
QPI-KA2320	Ka (26.5-40)	23	20	2.5	12	0.8	-	-	J,G,L,S
QPI-KA2330	Ka (26.5-40)	23	30	2.5	12	0.95	-	-	J,G,L,S
QPI-KA2340	Ka (26.5-40)	23	40	2.5	12	1.1	-	-	J,G,L,S
QPI-KA2350	Ka (26.5-40)	23	50	2.5	12	1.2	-	-	J,G,L,S
QPI-KA2720	Ka (26.5-40)	27	20	2.5	12	1.6	-	-	J,G,L,S
QPI-KA2730	Ka (26.5-40)	27	30	2.5	12	1.9	-	-	J,G,L,S
QPI-KA2740	Ka (26.5-40)	27	40	2.5	12	2	-	-	J,G,L,S
QPI-KA2750	Ka (26.5-40)	27	50	2.5	12	2.1	-	-	J,G,L,S
QPI-KA3015	Ka (26.5-40)	30	15	3.5	12	6.5	-12	100	B,K,N,Q
QPI-KA3025	Ka (26.5-40)	30	25	3.5	12	6.7	-12	100	B,K,N,Q
QPI-KA3035	Ka (26.5-40)	30	35	3.5	12	6.9	-12	100	B,K,N,Q



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QPI-KA3045	Ka (26.5-40)	30	45	3.5	12	7.1	-12	100	B,K,N,Q
QPI-Q02018	Q (33-50)	20s	18	3.5	12	0.9	-	-	A,R,M,T
QPI-Q02030	Q (33-50)	20s	30	3.5	12	0.95	-	-	A,R,M,T
QPI-Q02040	Q (33-50)	20s	40	3.5	12	1.2	-	-	A,R,M,T
QPI-U01816	U (40-60)	18s	16	3.5	12	0.5	-	-	J,G,L,S
QPI-U01825	U (40-60)	18s	25	3.5	12	0.6	-	-	J,G,L,S
QPI-V01616	V (50-75)	16s	16	3.5	12	0.3	-	-	P2
QPI-V01628	V (50-75)	16s	28	3.5	12	0.4	-	-	P2

*Contact QuinStar for outline information

s = saturated power

Ordering Information

