

Amplifiers

Qualwave supplies broadband, low noise and high power amplifiers in a broad range from 4kHz to 260GHz.

Power Amplifiers

Power amplifier, connected in the end of transmitter, is used to amplify the power of modulated signal in HF, which will then be transmitted to the space by antennas, and ensure the receiver could get proper signal level and the signal does not interfere with the communication of adjacent channels.

Features: Broadband, High Power; **Applications:** Wireless, Transmitter, Radar, Laboratory Test.

How To Order:

QPAV-W-X-Y-Z

Modules: Blank, Systems: S
 Start Frequency (MHz)
 Stop Frequency (MHz)

P1dB (dBm)
 (Note: if it is Psat, add "S" at the end)
 Gain (dB)



Examples: To order a power amplifier module, 0.03~1GHz, gain 45dB, Psat 30dBm, specify QPA-30-1000-45-30S.

Power Amplifier Systems

The sizes in the following table do not include connectors, rack mount brackets, handles.

Part Number	Frequency (GHz)	Psat (dBm)	P1dB (dBm)	Gain (dB)	Gain Flatness (dB)	Voltage (V AC)	VSWR	Size* (mm)
QPAS-20-500-40-50S	0.02~0.5	50	-	40	±2.5	220	2	483*400*133
QPAS-20-2700-50-44S	0.02~2.7	44	-	50	±2.5	220	2.2	460*491*88
QPAS-30-1000-40-47S	0.03~1	47	-	40	±2.5	220	2	483*400*133
QPAS-108-400-55-54S	0.108~0.4	54	-	55	±1.5	220	2	483*440*133
QPAS-200-2000-40-47S	0.2~2	47	-	40	±2.5	220	2	483*440*133
QPAS-500-2700-51-50	0.5~2.7	-	50	51	±2.5	220	3	602.5*482.6*310.3
QPAS-500-3000-50-50S	0.5~3	50	45	50	±2.5	220	2	483*400*133
QPAS-600-6000-43-43S	0.6~6	43	-	43	±4	220	2	526.7*483*147
QPAS-700-2000-40-40S	0.7~2	40	-	40	±2	220	2	483*400*133
QPAS-700-2500-55-52S	0.7~2.5	52	-	55	±2.5	220	2	483*420.8*133
QPAS-700-2700-50-50S	0.7~2.7	50	-	50	±2	220	2	544.5*426*128
QPAS-1000-26500-20-18	1~26.5	-	18	20	±2.5	220	2.6	166*106.4*56.4
QPAS-2000-6000-40-46S	2~6	46	-	40	±3	220	2	481.8*500*88.5
QPAS-2000-18000-40-38S	2~18	38	-	40	±2.5	220	2	166*106.4*56.4
QPAS-2000-18000-40-40S	2~18	40	-	40	±3	220	2	430*500*44.3
QPAS-3300-4900-55-55S	3.3~4.9	55	-	55	±1.5	220	2	481.8*500*88.5
QPAS-5000-6000-55-63S	5~6	63	-	55	±1	220	2	482.6*559*132.5
QPAS-6000-18000-45-45S	6~18	45	-	45	±2.5	220	2	481.8*338*44.3
QPAS-6000-18000-68-54S	6~18	54	-	68	±5.3	220	2	701.5*434*265
QPAS-8000-12000-40-47S	8~12	47	-	40	±2	220	2	481.8*500*88.5
QPAS-8000-18000-40-45S	8~18	45	-	40	±2	220	2	538*430*44.3
QPAS-23000-25000-40-40S	23~25	40	-	40	±2	220	1.8	274*238*50
QPAS-23000-25000-40-43S	23~25	43	-	40	±2	220	1.8	481.8*350*44.3
QPAS-24000-43000-30-30S	24~43	30	-	30	±3	220	2	481.8*500*44.3
QPAS-47000-51000-55-43S	47~51	43	-	55	4	220	1.6	328.5*226*180.5

4TECT

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