

Low-noise Pre-amplifiers

FGHA, FGPA & VGPA Series

The Pascall FGHA, FGPA and VGPA series of low noise amplifiers are ideally suited to post mixer amplification in radar and communications systems where low noise and high signal level handling are required. The series offers a number of standard frequency designs with custom units available upon request.



Model No. FGHA	Centre Freq. MHz	Bandwidth MHz	Power Gain dB	Noise Figure dB
FGHA Fixed Gain High Power Series				
FGHA-2105	21.4	5	25	3.0
FGHA-3010	30	10	25	3.0
FGHA-6010	60	10	25	3.0
FGHA-6020	60	20	25	3.0
FGHA-7010	70	10	25	3.0
FGHA-7030	70	30	25	3.0
FGHA-12040	120	40	20	2.5
FGHA-16040	160	40	20	2.5
Standard Model Specifications				
Impedance (nom)	50 ohms			
Supply voltage	+12V or +15V @ 60mA			
Output power at 1dB gain compression	-15 dBm (+13 dBm above 70 MHz)			
Weight (nom)	40g			

Model No. FGPA	Centre Freq. MHz	Bandwidth MHz	Power Gain dB	Noise Figure dB
FGPA Fixed Gain Low Noise Series				
FGPA-2105	21.4	5	30	2.0
FGPA-3010	30	10	30	2.0
FGPA-6010	60	10	30	2.0
FGPA-6020	60	20	30	2.0
FGPA-7010	70	10	30	2.0
FGPA-12040	120	40	25	3.5
FGPA-16040	160	40	25	3.5
Standard Model Specifications				
Impedance (nom)	50 ohms			
Supply voltage	+12V or +15V @ 30mA			
Output power at 1dB gain compression	0dB			
Weight (nom)	40g			

Model No. VGPA	Centre Freq. MHz	Bandwidth MHz	Power Gain dB	Noise Figure dB
VGPA Variable Gain Low Noise Series				
VGPA-2105	21.4	5	25	2.5
VGPA-3010	30	10	25	2.5
VGPA-6010	60	10	25	2.5
VGPA-6020	60	20	25	2.5
VGPA-7010	70	10	25	2.5
VGPA-7030	70	30	25	2.5
VGPA-12040	120	40	20	3.0
VGPA-16040	160	40	20	3.5
Standard Model Specifications				
Impedance (nom)	50 ohms			
Gain control	20dB for 0V to -3V			
Supply voltage	+12V or +15V @ 30mA			
Output power at 1dB gain compression with 0V gain control output power will be reduced as gain control is increased)	+5dBm			
Weight (nom)	40g			

Ordering Information

FGHA/FGPA/VGPA-XXXXX-XXX

