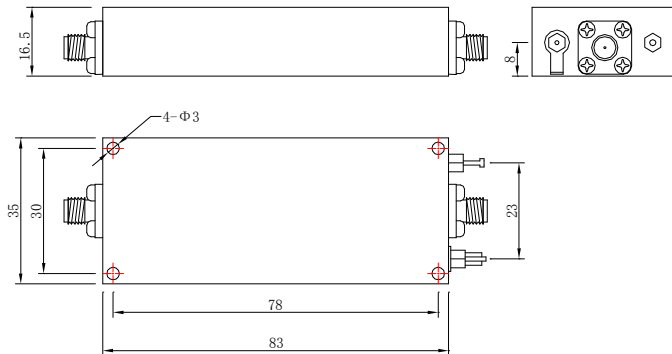



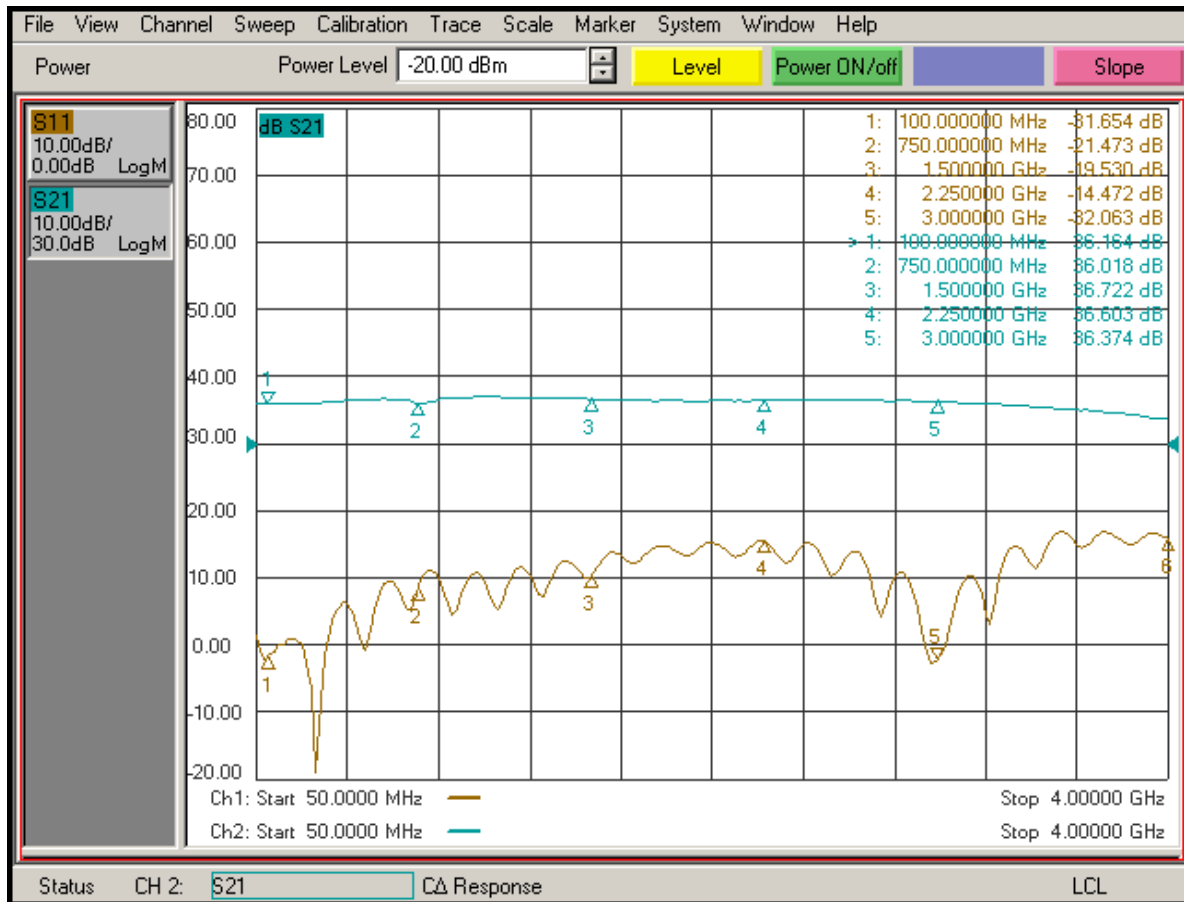
0.1-3GHz Low Noise Amplifier

UCL-MAS013G35

Parameter	Condition	Min.	Typ.	Max.	Units
Frequency Range		0.1	-	3.0	GHz
Gain	In the range of working temperature	-	35.0	-	dB
Gain Flatness		-	±2.0	±2.5	dB
Output Power at 1dB compression	In the range of the whole frequency	-	21.0	-	dBm
Input VSWR		-	2.0	2.5	:1
Output VSWR		-	2.0	2.5	:1
DC Supply Voltage		11.0	12.0	13.0	V
Supply current		-	300	-	mA

Test Conditions, Temperature 25°C, Impedance 50Ω, +12V DC

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM DRAWING & DETAILS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CERTAIN CHANGES MAY BE IN ORDER TO IMPROVE PRODUCT.	 Universal Cooperate Ltd. Web: www.ucl-microwave.com		46 Langham Rd Edgware, HA8 9EL The UK	
	TITLE 0.1-3GHz Low Noise Amplifier			
	SIZE A	CAGE CODE	MODEL UCL-MAS013G35	REV A
	SCALE 1:1	DOC FAMILY TG	SHEET 1 OF 1	

0.1-3GHz Low Noise Amplifier



Typical Performance Data (12V, 25°C)

Frequency (MHz)	Gain (dB)	Return Loss (dB)		Pout at 1dB Compr (dBm)
		Input	Output	
100	36.2	-31.7	-33.3	21.5
500	36.4	-25.4	-28.4	21.4
700	36.3	-23.5	-25.4	22.1
800	36.5	-21.4	-21.5	22.3
1000	36.2	-20.6	-19.7	22.5
1200	36.6	-19.4	-13.2	22.2
1400	36.7	-17.3	-10	22.4
1600	36.6	-19.5	-11.4	22.1
1800	36.7	-18.4	-15.6	22
2000	36.5	-19.7	-12.6	21.8
2200	36.6	-14.5	-9.7	21.7
2200	36.5	-15.4	-11	21.5
2400	36.5	-17.8	-16.7	21.3
2600	36.6	-21.6	-12.4	21.6
2800	36.4	-32.1	-10.7	21.5
3000	36.2	-31.7	-33.3	21.3