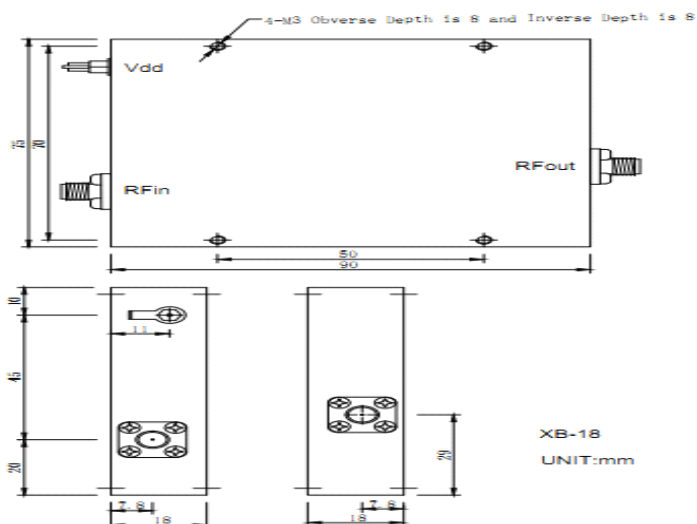


0.02-1GHz High Power Amplifier



Parameter	Condition	Min.	Typ.	Max.	Units
Frequency Range		20	-	1000	MHz
Gain			40	-	dB
Gain Flatness		-	±1.5	±2.5	dB
Output Power		-	36.0	-	dBm
OIP3		-	48.0	-	dBm
Input VSWR		-	2.0	2.5	:1
Output VSWR		-	2.0	2.5	:1
Voltage		-	24	-	V
Electric Current		-	1.5	-	A
Reverse Isolation		-	55.0	-	dB

Test Conditions, Temperature 25°C , Impedance 50 ,+24V

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

0.02-1GHz High Power Amplifier,4W

SIZE

A

CAGE CODE

MODEL

UCL-MAS0021G4W

REV

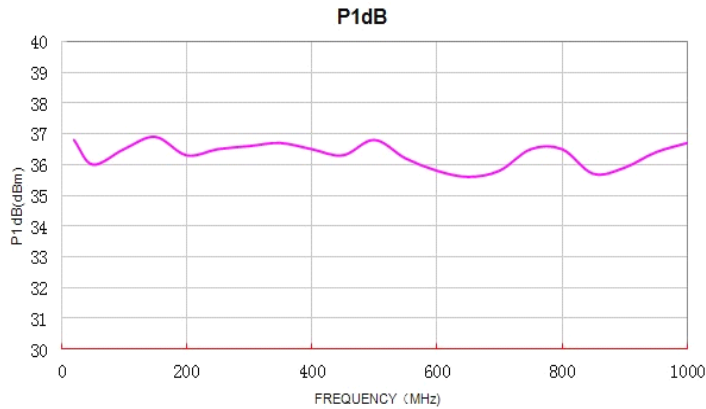
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SCALE 1:1

DOC FAMILY MAS

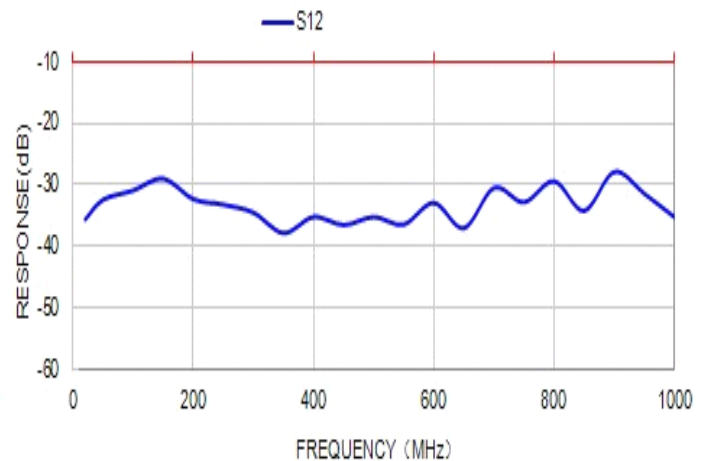
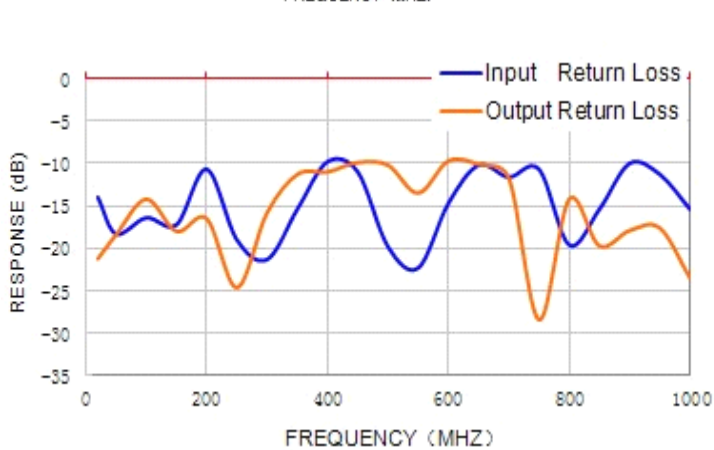
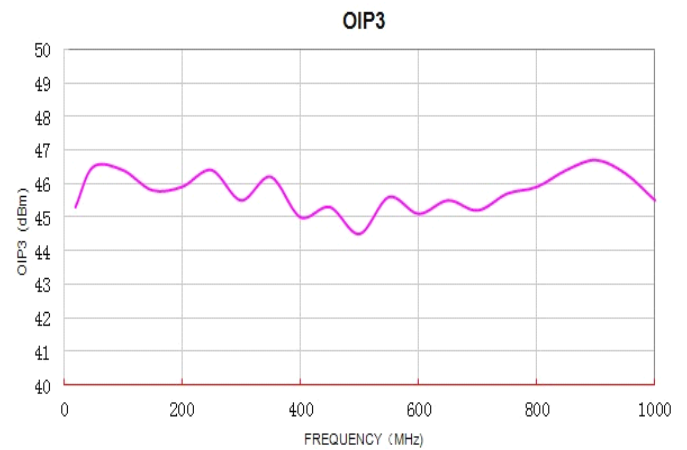
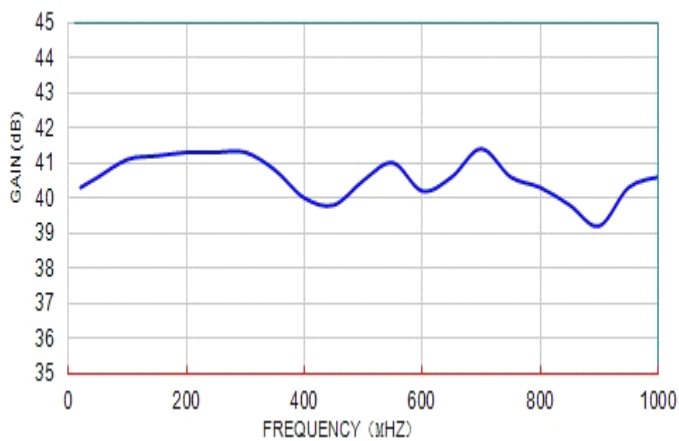
SHEET 1 OF 1

0.02-1GHz High Power Amplifier



Limiting Values

Parameter	Ratings
Operating Temperature	-20°C to 70°C
Storage Temperature	-55°C to 100°C
DC Voltage	30V
Entrance RF power (max)	+0dBm



0.02-1GHz High Power Amplifier

Typical Performance Data (24V,25°C)

Frequency (MHz)	Gain (dB)	Return Loss (dB)		Pout at 1dB Compr (dBm)
		In	Out	
20	40.3	-14	-21.2	36.8
50	40.6	-18.3	-18.4	36
100	41.1	-16.4	-14.2	36.5
150	41.2	-17.2	-18	36.9
200	41.3	-10.7	-16.5	36.3
250	41.3	-19	-24.6	36.5
300	41.3	-21.3	-15.8	36.6
350	40.8	-15.4	-11.3	36.7
400	40	-9.8	-11	36.5
450	39.8	-11	-9.9	36.3
500	40.5	-19.8	-10.2	36.8
550	41	-22.3	-13.5	36.2
600	40.2	-14.7	-9.7	35.8
650	40.6	-10.2	-10.1	35.6
700	41.4	-11.6	-11.7	35.8
750	40.6	-10.7	-28.4	36.5
800	40.3	-19.6	-14.2	36.5
850	39.8	-15.4	-19.7	35.7
900	39.2	-10	-17.9	35.9
950	40.3	-11.3	-17.6	36.4
1000	40.6	-15.4	-23.5	36.7