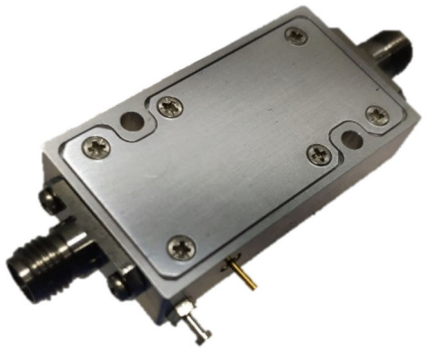
FEATURES:

- Broadband Performance
- Flat Gain
- High Efficiency
- Field Replacable SMA Connectors
- Internal Regulator



ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	500		6000	MHz
Small Signal Gain	24	27	32	dB
Gain Flatness		±1.25		dB
P1dB	26	28		dBm
P1dB Flatness		±0.75		dBm
PAE		20		%
Noise Figure		3		dB
Input VSWR		1.5:1	2.2:1	
Output VSWR		1.5:1	2.2:1	
Operating DC Voltage	+12	+12	+15	Volts
Operating DC Current		220		mA

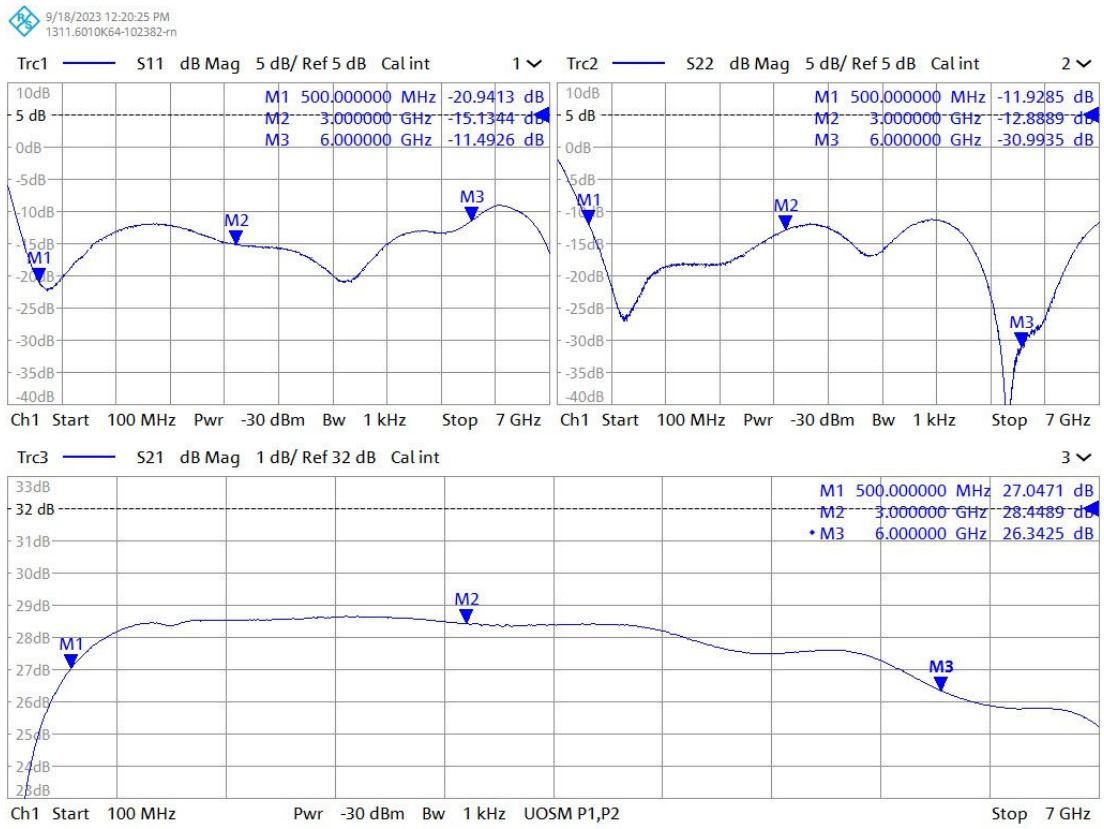
*Electrical specifications are given at 25C.

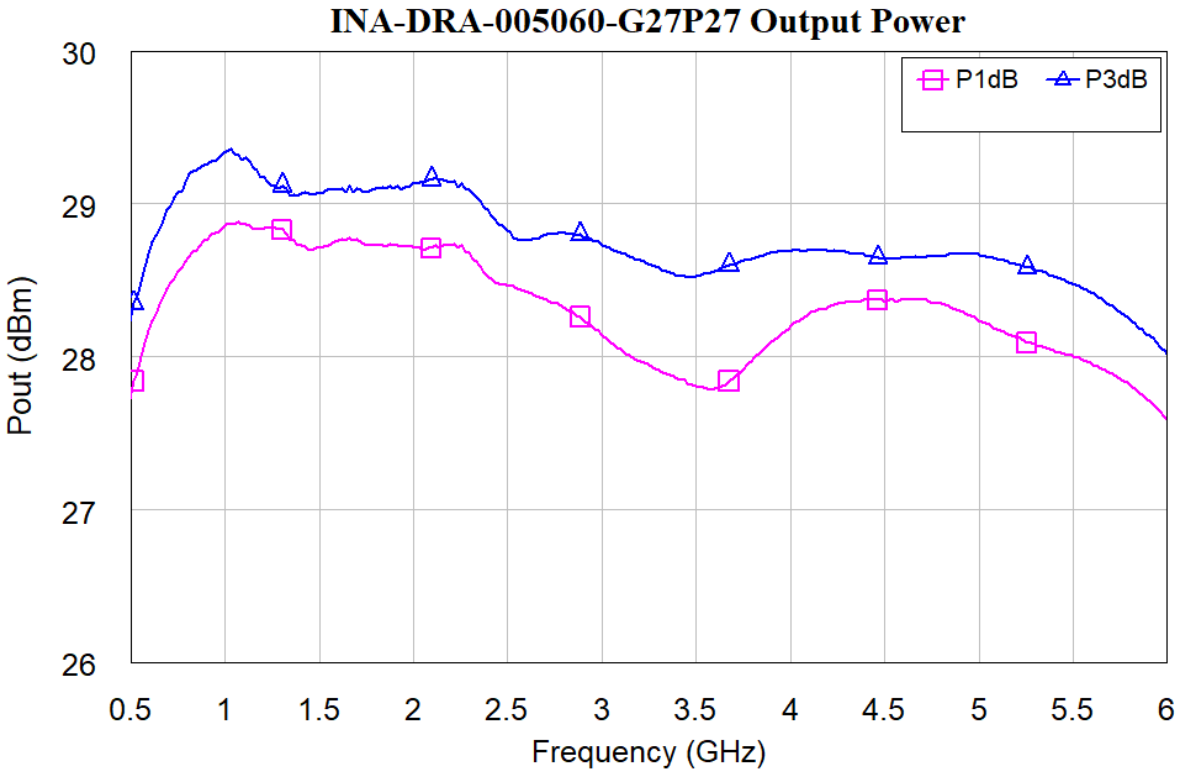
ABSOLUTE MAXIMUM RATING:

Parameter	Min.	Typ.	Max.	Units
DC Voltage			+15	Volts
RF Input Power			+20	dBm
Operating Case Temperature	-40		+85	°C
Storage Temperature	-55		+125	°C

MECHANICAL SPECIFICATIONS:

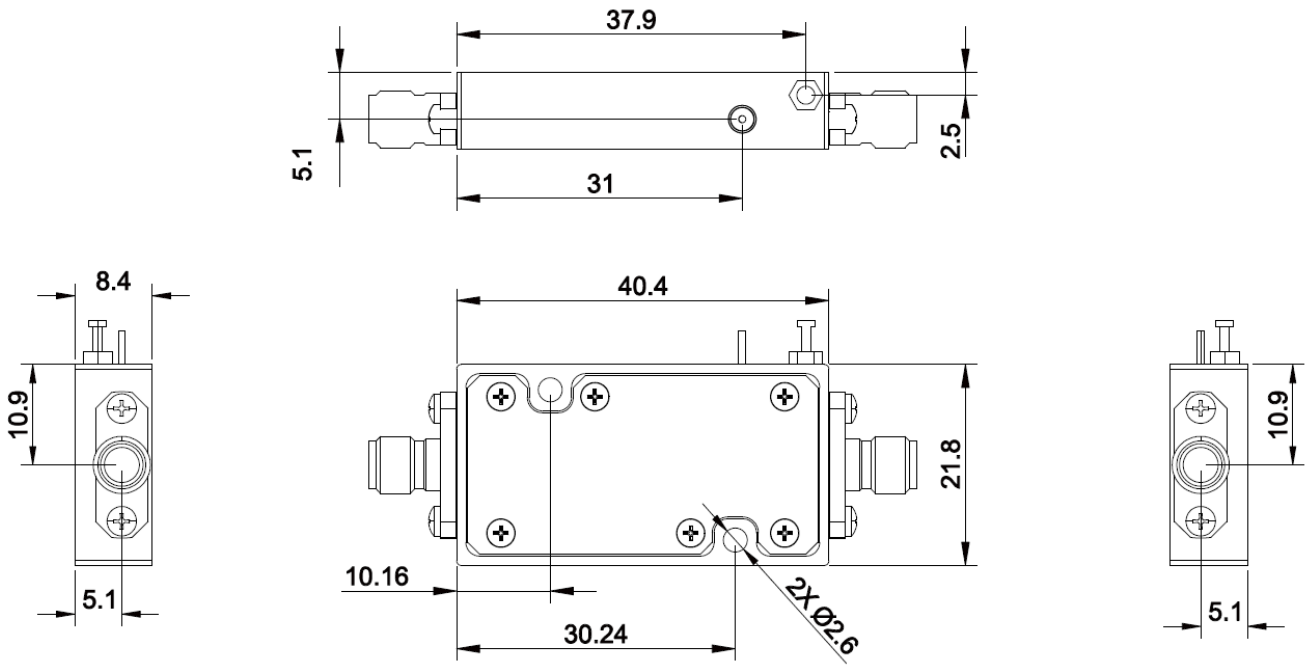
Parameter	Value	Units
Dimensions (L x W x H)	40.4 x 21.8 x 8.4	mm
Weight	21.4	gr
RF Connector, Input	SMA, Female	
RF Connector, Output	SMA, Female	
DC Connector	0.03” Feedthru Pin	
Cooling	External Heatsink Required	


9/18/2023 12:20:25 PM
1311.6010K64-102382-rn
Trc1 S11 dB Mag 5 dB/ Ref 5 dB Cal int 1
M1 500.000000 MHz -20.9413 dB
M2 3.000000 GHz -15.1344 dB
M3 6.000000 GHz -11.4926 dB
Ch1 Start 100 MHz Pwr -30 dBm Bw 1 kHz Stop 7 GHz
Trc2 S22 dB Mag 5 dB/ Ref 5 dB Cal int 2
M1 500.000000 MHz -11.9285 dB
M2 3.000000 GHz -12.8889 dB
M3 6.000000 GHz -30.9935 dB
Ch1 Start 100 MHz Pwr -30 dBm Bw 1 kHz Stop 7 GHz
Trc3 S21 dB Mag 1 dB/ Ref 32 dB Cal int 3
M1 500.000000 MHz 27.0471 dB
M2 3.000000 GHz 28.4489 dB
M3 6.000000 GHz 26.3425 dB
Ch1 Start 100 MHz Pwr -30 dBm Bw 1 kHz UOSM P1,P2 Stop 7 GHz


INA-DRA-005060-G27P27 Output Power
P1dB
P3dB
Pout (dBm)
Frequency (GHz)
30
29
28
27
26
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
6

MECHANICAL OUTLINE:

- All dimensions are in mm



REVISION HISTORY:

Rev. No.	Date	Description
P1	10-Oct-2022	Preliminary Release
P2	03-Jan-2023	Added *Mechanical Outline* Updated *Operating Temperature Range* Updated *Storage Temperature Range*
P3	12-Jan-2024	Updated *Measurement Graphs*
P4	23-Sep-2024	Updated *Electrical Specifications*