

**FEATURES:**

- Ultra-Broadband Performance
- Positive Gain Slope
- Single Supply Voltage
- Internal Regulator
- Field Replacable SMA Connectors



**ELECTRICAL SPECIFICATIONS:**

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	2000		20000	MHz
Small Signal Gain	27	29	32	dB
Gain Flatness		±1.5		dB
P1dB	25	27		dBm
P1dB Flatness		±1.5		dBm
Noise Figure		3	6	dB
Input VSWR		1.5:1	2:1	
Output VSWR		1.5:1	2:1	
Operating DC Voltage		+12		Volts
Operating DC Current		450		mA

\*Electrical specifications are given at 25C.

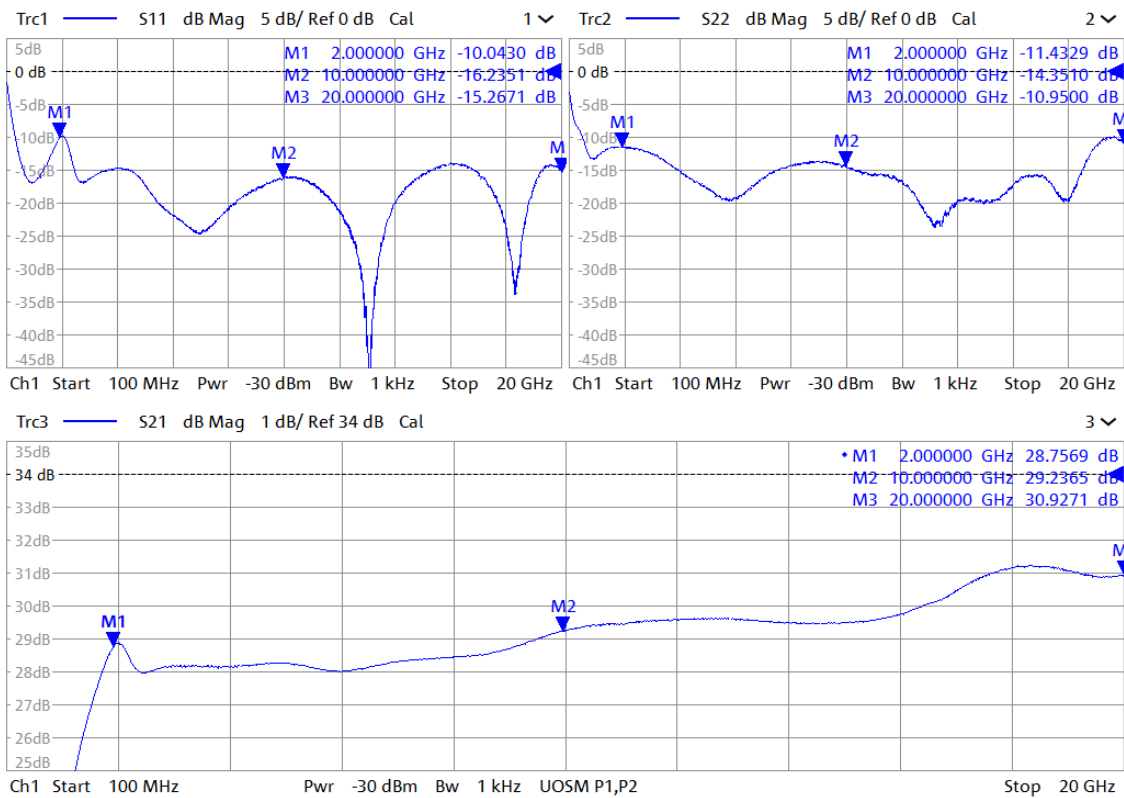
**ABSOLUTE MAXIMUM RATING:**

Parameter	Min.	Typ.	Max.	Units
DC Voltage			+15	Volts
RF Input Power			+24	dBm
Operating Case Temperature	-40		+85	°C
Storage Temperature	-55		+125	°C

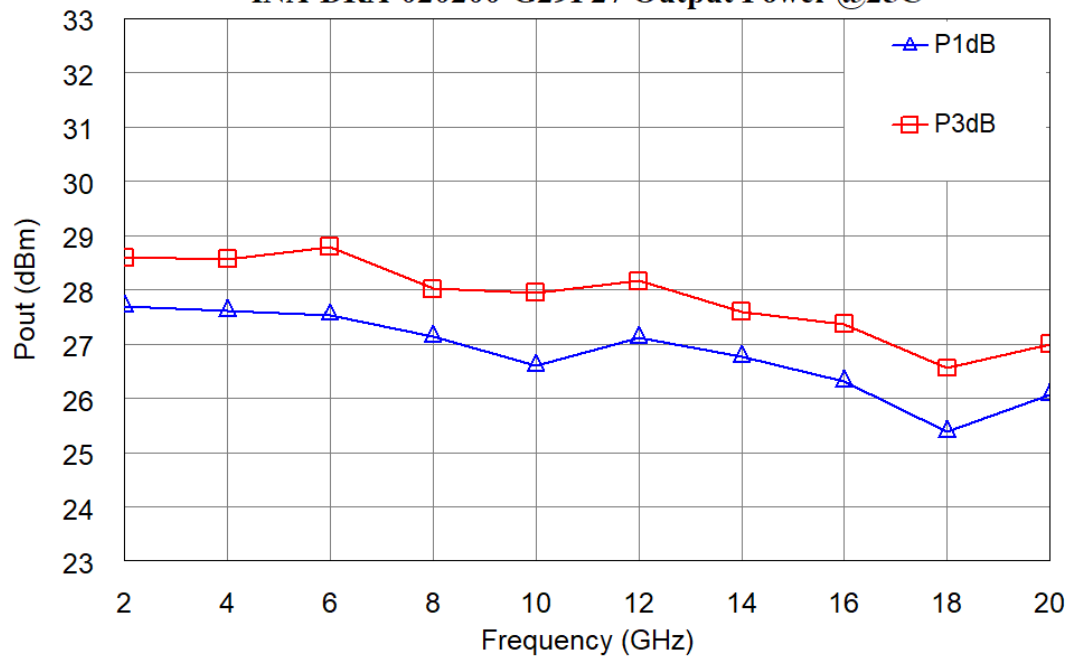
**MECHANICAL SPECIFICATIONS:**

Parameter	Value	Units
Dimensions (L x W x H)	40.x 26 x 10.3	mm
Weight	32	gr
RF Connector, Input	SMA, Female	
RF Connector, Output	SMA, Female	
DC Connector	0.03" Solder-In Type Feedthrough	
Cooling	External Heatsink Required	
Mechanical Housing	Nickel Plated Aluminum	

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**INA-DRA-020200-G29P27 Output Power @25C**



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REVISION HISTORY	DESCRIPTION
P1_230918	Initial Release of Preliminary Datasheet