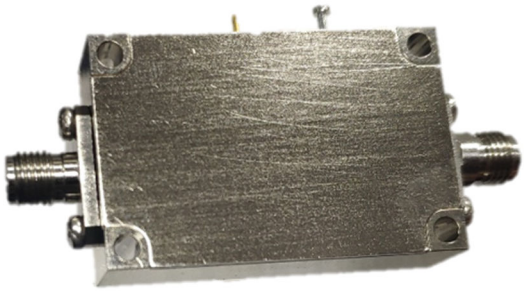
FEATURES:

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



ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	200		18000	MHz
Small Signal Gain	27	29	33	dB
Gain Flatness		±1		dB
P1dB	25	27		
P3dB	26	28		dBm
Noise Figure (0.2-2 GHz)		10	25	dB
Noise Figure (2-6 GHz)		5	10	
Noise Figure (6-18 GHz)		4	8	
Input VSWR		2:1		
Output VSWR		2:1		
Operating DC Voltage		+12		Volts
Operating DC Current		430		mA

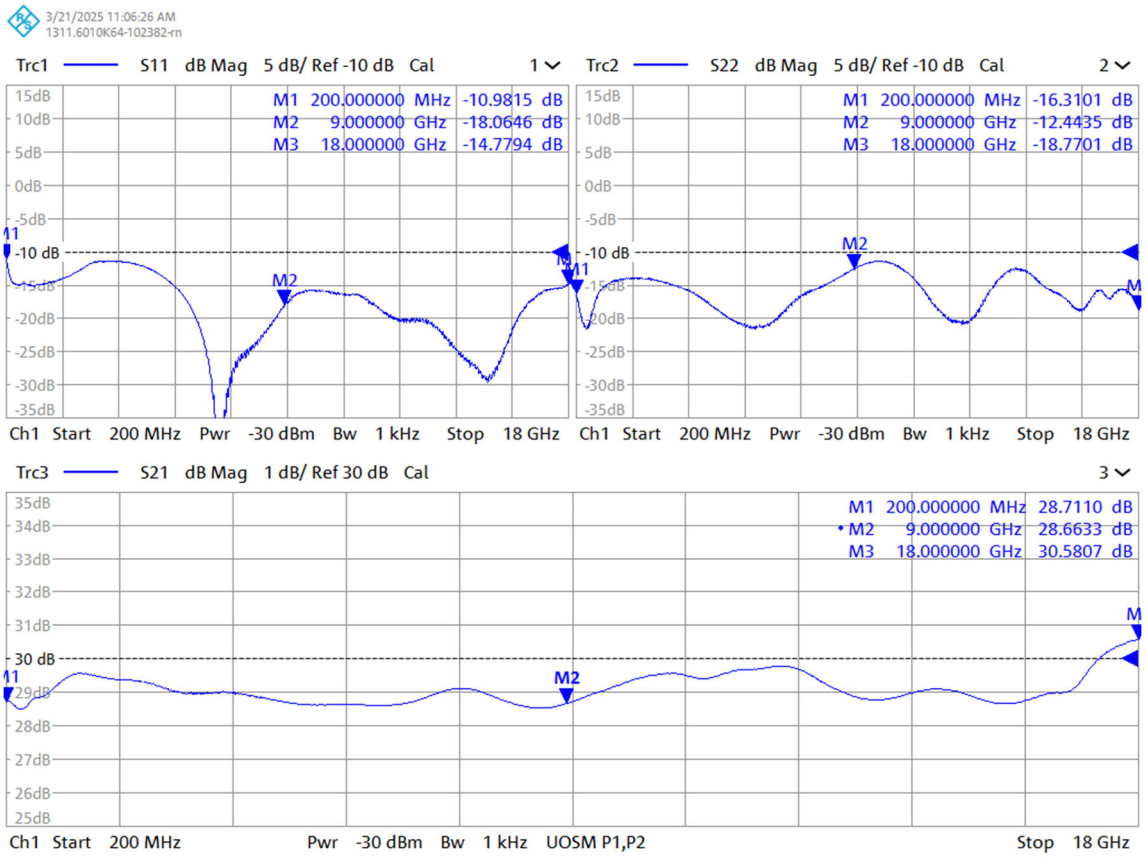
*Electrical specifications are given at 25C.

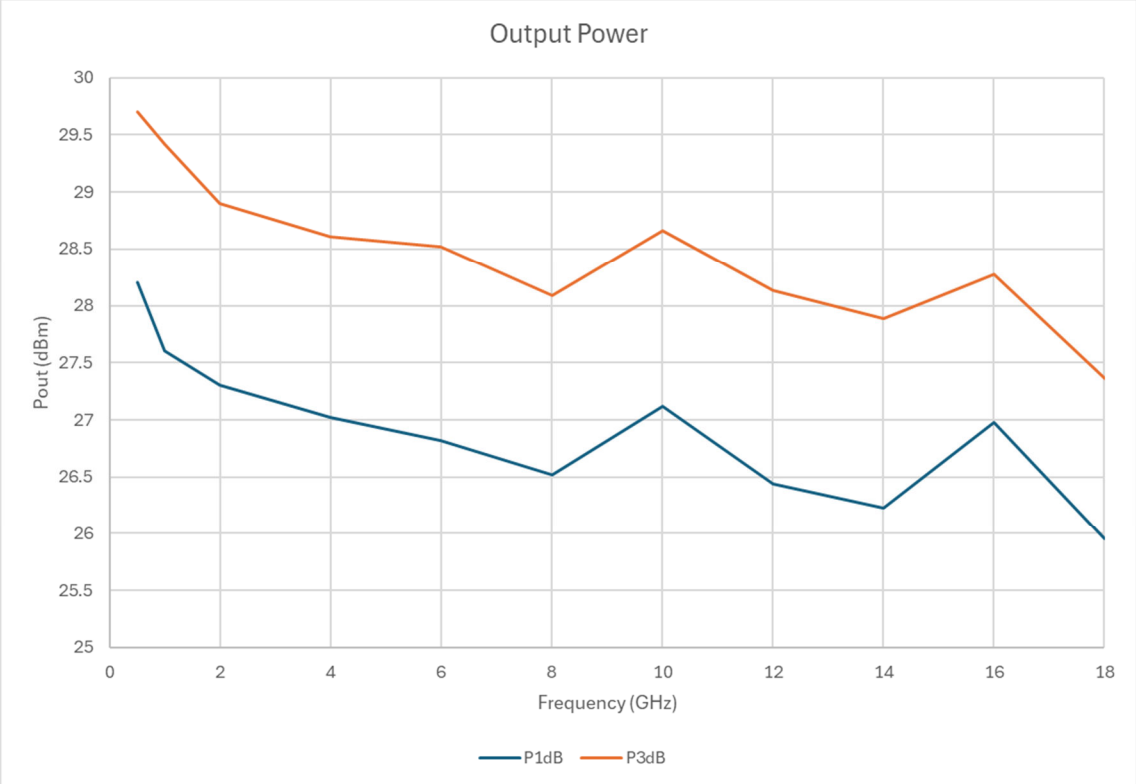
ABSOLUTE MAXIMUM RATING:

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)	40x 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	

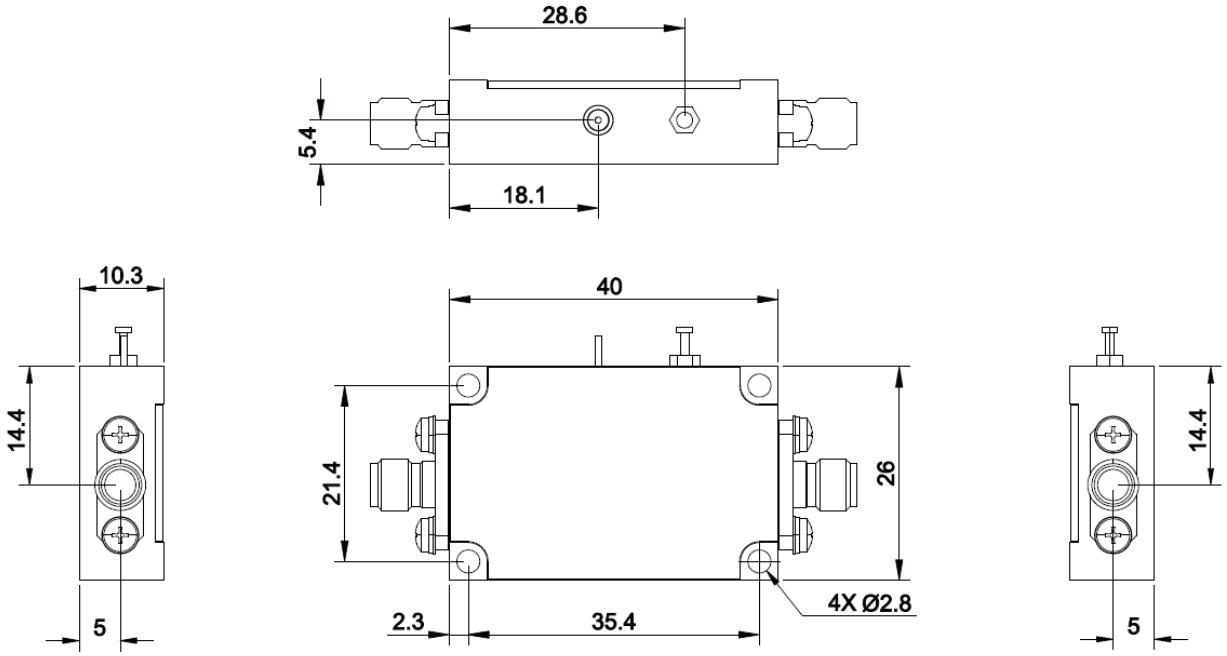

3/21/2025 11:06:26 AM
1311.6010K64-102382-rn
Trc1 S11 dB Mag 5 dB/ Ref -10 dB Cal 1
M1 200.000000 MHz -10.9815 dB
M2 9.000000 GHz -18.0646 dB
M3 18.000000 GHz -14.7794 dB
-10 dB
Ch1 Start 200 MHz Pwr -30 dBm Bw 1 kHz Stop 18 GHz
Trc2 S22 dB Mag 5 dB/ Ref -10 dB Cal 2
M1 200.000000 MHz -16.3101 dB
M2 9.000000 GHz -12.4435 dB
M3 18.000000 GHz -18.7701 dB
-10 dB
Ch1 Start 200 MHz Pwr -30 dBm Bw 1 kHz Stop 18 GHz
Trc3 S21 dB Mag 1 dB/ Ref 30 dB Cal 3
M1 200.000000 MHz 28.7110 dB
M2 9.000000 GHz 28.6633 dB
M3 18.000000 GHz 30.5807 dB
30 dB
Ch1 Start 200 MHz Pwr -30 dBm Bw 1 kHz UOSM P1,P2 Stop 18 GHz


Output Power
Pout (dBm)
Frequency (GHz)
P1dB
P3dB

MECHANICAL OUTLINE:

- All dimensions are in mm

- Tolerances: +/- 0.2 mm



REVISION HISTORY:

Rev. No.	Date	Description
P1	21-Mar-2025	Preliminary Release