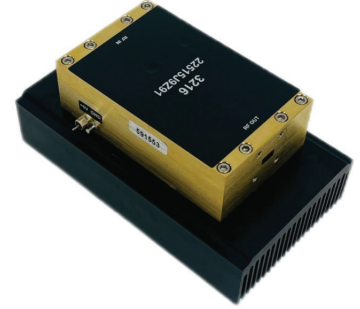


Physical Properties

- Material: 6061 T-6 Aluminum
- Dimensions: 3.3x2.0x1.0 Inches
- Input Port: WR-28 Waveguide
- Output Port: WR-28 Waveguide
- Finish: Gold Plating
- Bias: Feed-thru Pin
- Flange: UG-599/U



SN: 5J9Z91

*Picture shown is indicative only.⁵

Electrical Specifications @ 25°C		Test Data			
Parameters	Specifications	Min.	Typ.	Max.	Unit
Frequency	26.5 to 40	26.5	-	40	GHz
Gain	30.0 typ.	30.1	35.6	38.5	dB
P1dB	+28.0 typ.	+32.8	+33.0	+34.1	dBm
Psat	+31.0 typ.	+33.2	+34.4	+35.3	dBm
Input VSWR	1.5 typ.	-	1.43	-	:1
Output VSWR	1.43 typ.	-	1.33	-	:1
Supply Voltage ^{1,3}	+6	+5	+6	+10	Vdc
Supply Current	3.000 typ.	2.710	4.900	6.800	A

1. DC Supply must be able to source at least 9.0A DC at startup.
2. Open and short-circuit loads are not recommended at the amplifier output. Ensure proper 50 Ohm load before turning the amplifier "ON".
3. Reverse biasing will destroy the amplifier.
4. Do not put any foreign objects inside the waveguide. Warranty Void.
5. SN or PN may differ from actual unit. Please refer to outline on page 4 for more details.

Absolute Maximum Ratings	
Parameter	Ratings
Operating Temperature	-10°C to +45°C
Storage Temperature	-40°C to +100°C
Total Power Dissipation	25W
Input Power (CW)	+5dBm
DC Operating Voltage	+12V

*Permanent damage may occur if any of these are exceeded.

Biasing Up Procedure	
Step 1	Connect Ground Pin
Step 2	Apply DC Supply Voltage
Step 3	Turn ON RF input
Power Down Procedure	
Step 1	Turn OFF RF input
Step 2	Turn OFF DC Supply Voltage
Step 3	Remove Ground

The material presented in this datasheet was current at the time of publication. Mi-Wave's continuing product improvement program makes it necessary to reserve the right to change our mechanical and electrical specifications without notice. If either of these parameters is critical, please contact the factory to verify that the information is current. This material consists of Mi-Wave's general capabilities information and does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations.(EAR) Part 734.7-11. D-405/05.01.18

