955-18/40/25/24/KF

Power Amplifier, 18 - 40GHz, 2.92mm Female (K)

Physical Properties

- Material: 6061 T6 ALUMINIUM
- Finish:Gold Plating
- Dimensions: 1.8x2.25x0.45
- Bias: Feed-thru Pin
- Input Port: 2.92mm Female (K)
- Output Port: 2.92mm Female (K)

SN: A0RZ6I
*Picture shown is indicative only.[5]

Electrical Specifications @ 25°C		Test Data			
Parameters	**Specifications**	**Min.**	**Typ.**	**Max.**	**Unit**
Frequency	18 to 40	18	-	40	GHz
Gain	25.0 min. / 33.0 max.	25.3	31.5	32.9	dB
Noise Figure	6.5 to 7.0 max.	-	6.5	-	dB
P1dB	+20.0 typ.	-	+25.1	-	dBm
Psat	+24.0 typ.	+26.0	+27.4	+28.5	dBm
VSWR	1.8 typ.	-	1.8	-	:1
Supply Voltage [1, 3]	+12.0	+6.0	+12.0	+15.5	Vdc
Supply Current	1.00 typ.	0.42	0.65	0.80	A

1. DC Supply must be able to source at least 1.2A DC at startup.
2. Ensure proper 50 Ohm load before turning the amplifier "ON".
3. Reverse biasing will destroy the amplifier.
4. All data taken @ +25°C unless otherwise specified.
5. SN or PN may differ from actual unit. Please refer to outline on page 3 for more details.
6. Additional Heatsink required when operating at saturation for extended durations.

Absolute Maximum Ratings	
Parameter	**Ratings**
Operating Temperature	-55°C to +85°C
Storage Temperature	-55°C to +100°C
Total Power Dissipation	15W
Input Power (CW)	+20dBm
DC Operating Voltage	+15.5V

*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