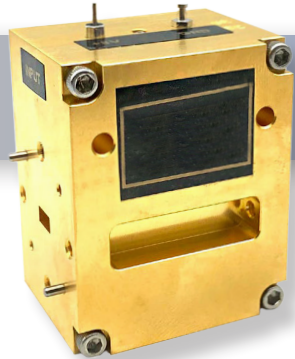


Part No:

# HWAMP22-Q1821



## WR-22 Power Amplifier Q-Band - 33 to 48 GHz

### Electrical

• Waveguide	WR-22
• Frequency	33 - 48 GHz
• P1 dB	17 dBm
• PSAT	21 dBm
• Gain	18 dB
• Input Power	+ 20 dB Max
• DC	+ 8 V @ 450 mA

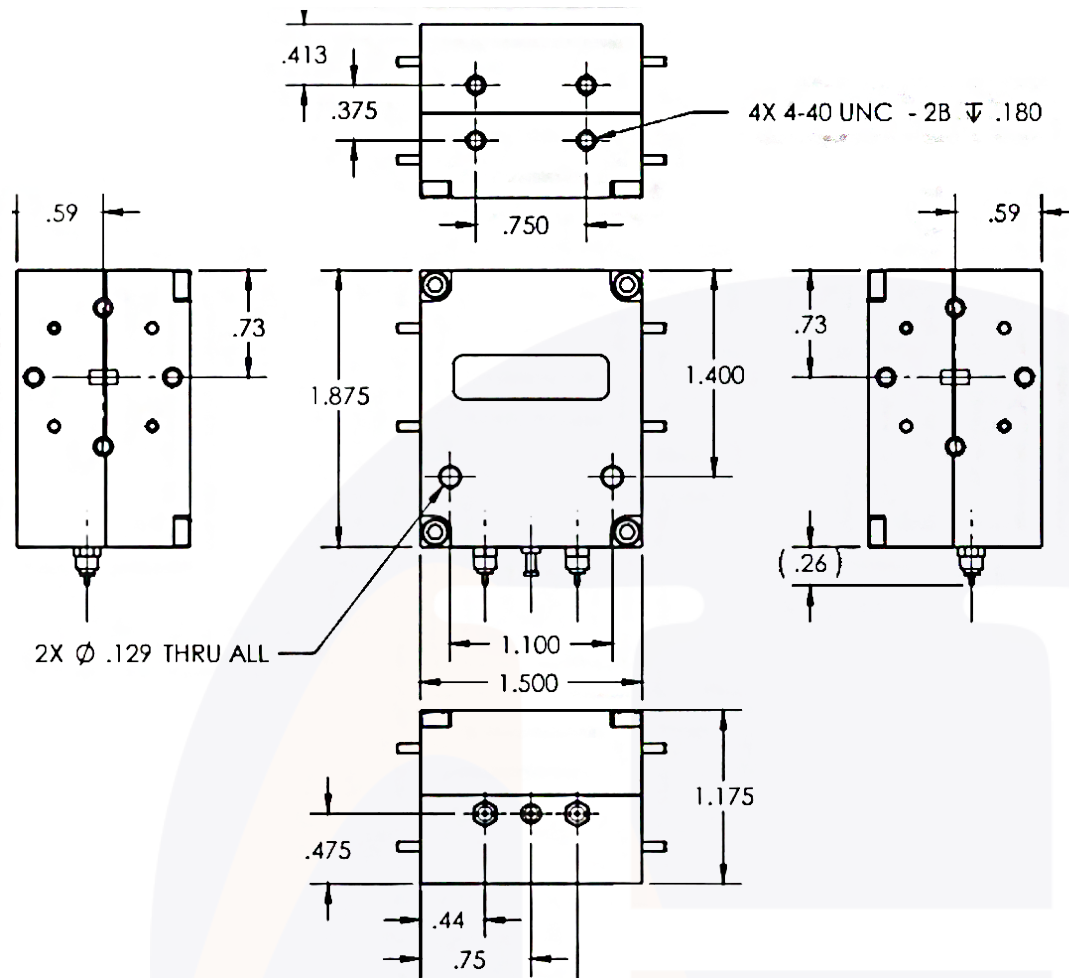
### Material

• Body	Gold plated Aluminum
• Waveguide	UG-383/U

The HWAMP22-Q1821 is a Full Q-Band Power Amplifier with a gain of +18 dB from 33 - 48 GHz. This Power Amplifier operates with 8 VDC. Internal reverse bias protection ensures reliability. This is an excellent full Q-Band Power for transmitters, Up-Converters, Radars, and general lab use.

# WR-22 Power Amplifier, Q-Band | 33 to 48 GHz | Outline Drawing

Frequency (GHz)	Gain (dB)	P1dB (dBm)	PSAT (dBm)
33	19.3	19.0	22.9
34	20.8	19.0	23.3
35	20.2	20.1	23.5
36	20.0	19.6	23.2
37	20.2	19.1	23.0
38	18.7	19.3	23.3
39	18.8	20.8	24.1
40	18.9	19.5	23.2
41	19.1	21.0	24.3
42	19.8	21.3	24.6
43	19.5	20.0	23.5
44	20.0	19.8	23.4
45	19.0	18.3	22.4
46	17.8	15.8	20.1
47	16.8	14.0	18.1
48	14.0	10.7	16.0



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	8/23	TAC		APPROVED BY: TC
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.					
THIS DRAWING IS A CONTROLLED DOCUMENT					



5214 Bonsai Street • Moorpark, CA 93021  
 (888) 498-3242 • sales@hasco-inc.com  
[www.hasco-inc.com](http://www.hasco-inc.com)

MATERIALS:  
SEE DATA SHEET

CAGE CODE:  
0T8L4

SCALE:  
N/A

SIZE:  
A

FINISHES:  
SEE DATA SHEET

PART NO./DRAWING NO.

**HWAMP22-Q1821**

REV:  
-