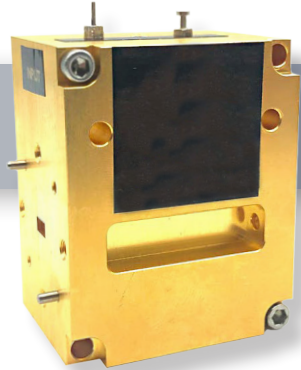


Part No:

HWAMP19-U1820



WR-19 Power Amplifier U-Band - 40 to 60 GHz

Electrical

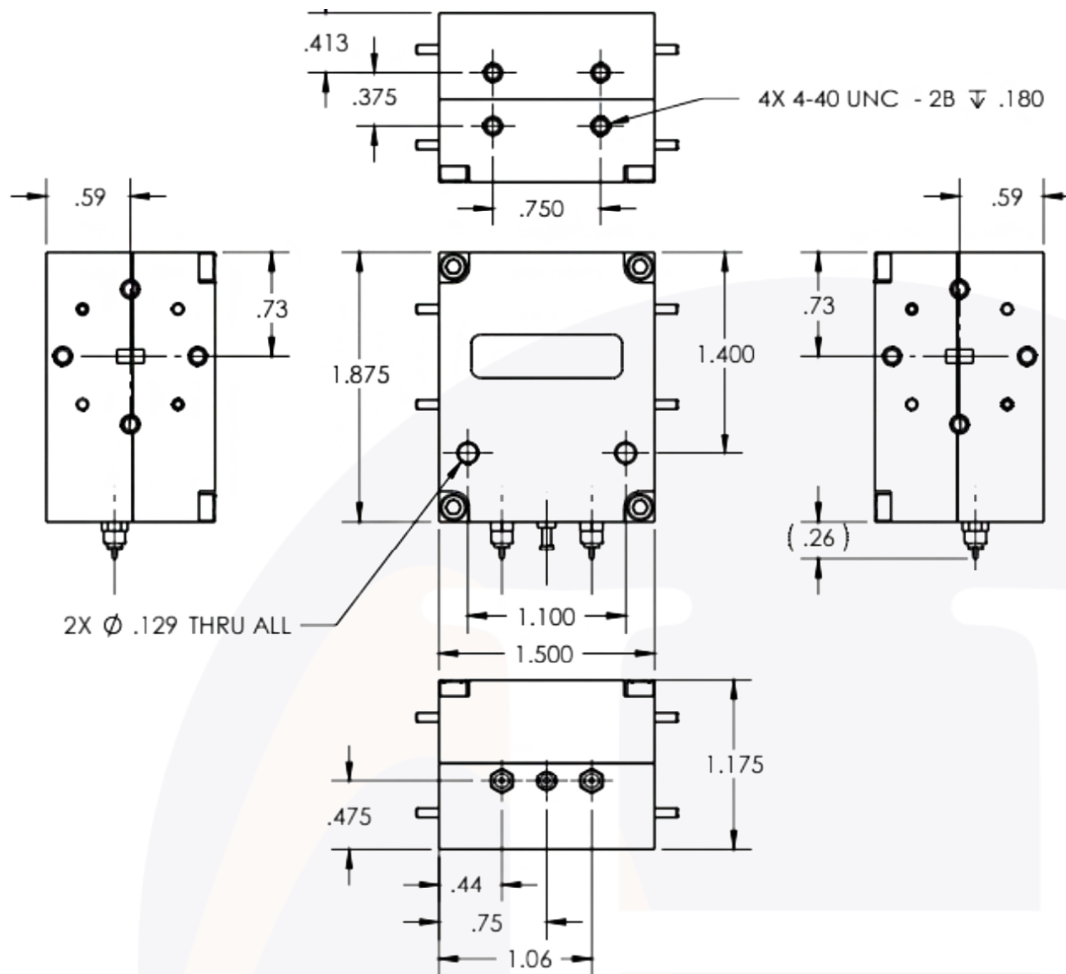
• Waveguide	WR-19
• Frequency	40 - 60 GHz
• P1 dB	17 dBm
• PSAT	20 dBm
• Gain	18 dB
• Input Power	+ 20 dB Max
• DC	+ 8 V @ 300 mA

Material

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

The HWAMP19-U1820 is a Full U-Band Power Amplifier with a gain of +18 dB from 40 - 60 GHz. This Power Amplifier operates with 8 VDC. Internal reverse bias protection ensures reliability. This is an excellent full U-Band Power for transmitters, Up-Converters, Radars, and general lab use.

WR-19 Power Amplifier, U-Band | 40 to 60 GHz | Outline Drawing



Frequency (GHz)	Gain (dB)	P1dB (dBm)	PSAT (dBm)
40	18.6	17.0	20.5
42	17.3	16.2	19.2
44	16.4	17.4	20.1
46	16.5	17.0	20.0
48	16.8	17.3	20.2
50	16.2	17.4	20.5
52	16.1	17.5	20.7
54	17.1	17.5	20.8
56	18.0	18.7	21.2
58	17.0	19.5	21.6
60	18.1	19.5	21.4

LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	8/23	TAC		APPROVED BY: TC
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MATERIALS:
 SEE DATA SHEET

CAGE CODE:
 OT8L4

SCALE:
 N/A

SIZE:
 A

FINISHES:
 SEE DATA SHEET

PART NO./DRAWING NO.

HWAMP19-U1820

REV:

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