

CMT-4-2002

Temperature Compensated Amplifier

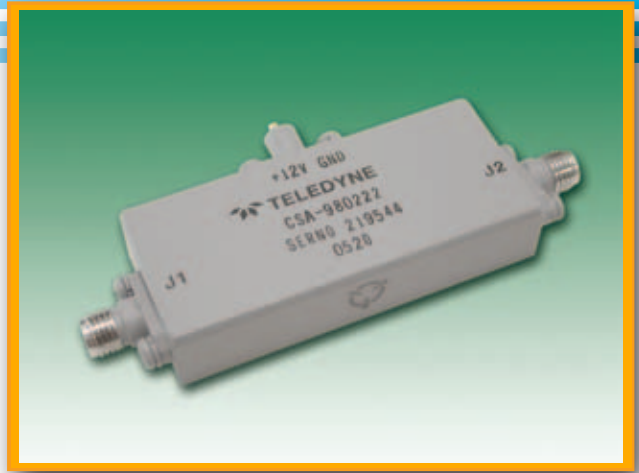
2 GHz - 4 GHz

This Amplifier offers exceptional performance over the band 2 GHz to 4 GHz with 18 dBm P1dB output power and 20 dB Gain.

Teledyne Microwave amplifiers are balanced or feedback designs and manufactured with the latest MIC & MMIC technology. The GaAs FET's used in these amplifiers are well established proven devices from multiple sources.

Teledyne Microwave offers a complete line of Narrow and broadband Amplifiers covering the frequency range 500 MHz to 40 GHz. These products are available in either connectorized packages or as modules. For a complete list of these products and more, please visit our website.

Other products from Teledyne Microwave include: Transceivers, Synthesizers, and YIG Products



Specifications:

Model Number: CMT-4-2002
Frequency Range: 2 GHz - 4 GHz
Gain (min): 20 dB
Gain Vs Temp at any Frequency: +/-0.75 dB
Noise Figure (max): 5.5 dB
Output Power @ 1dB Compression: 18 dBm
Gain Flatness Vs Frequency: +/-1.0 dB
3rd Order Intercept (Typ): 27 dBm
Power Supply:
 Input Voltage: 11.5 to 15 VDC
 Current @ 12 VDC (typ): 180 mA
 Current @ 12 VDC (max): 210 mA
Case Type (See attached Outline): SC4
Temperature Range: -54 to +90C



ISO 9001:2000

1274 Terra Bella Avenue, Mountain View, CA 94043 • PHN# 800.832.6869 or +1.650.962.6944 • FAX# 650.962.6845
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Temperature Compensated Amplifier

2 GHz - 4 GHz

4
3
DWG NO. IN-001296 SH REV B
1

D
C
B
A

TELEDYNE MODEL NO. CSA-XXXXXX
 SERIAL NUMBER XXXXXXXXXXXXXXXXXXXX
 SERNO XXXXXX
 DATE CODE (YR./WK.) YYYY

J1 RF INPUT SMA FEMALE
 J2 RF OUTPUT SMA FEMALE
 MOUNTING SURFACE
 #2-56 X 0.130 DP. LOCKING HELICAL INSERT (2) PLACES

0.38 [9.6] 1.932±0.020 [49.07±0.50]
 0.80 [20.3]
 0.210 [5.33] 0.485 [12.32]
 0.030 DIA DC INPUT 0.485 [12.32] 0.11 [2.8]
 0.28 [7.1] 0.435 [11.05]
 0.095 [2.41] 1.742 [44.25] 0.610 [15.49]
 0.095 [2.41]

REV	DESCRIPTION	DATE	APPROVED
A	REV & REDRN PER ECO #B3266	02-03-07	M BOOTH
B	REV & REDRN PER ECO #B5050		

NOTES: (UNLESS OTHERWISE SPECIFIED)

- DIMENSIONS ARE IN INCHES [MILLIMETERS].
- TOLERANCES: .XXX [.XX] ± .010 [0.25]
.XX [.X] ± .02 [0.5]
- MARKING AS SHOWN SHALL BE PERMANENT AND LEGIBLE PER MIL-STD-130 USING BLACK EPOXY BASE INK.
- CASE MATERIAL: ALUMINUM.
- FINISH: ALL SURFACES EXCEPT MOUNTING SURFACE, CONNECTOR THREADS AND DC/GND TERMINAL PINS ARE PAINTED WITH EPOXY PAINT PER MIL-C-22750. COLOR IS TELEDYNE STANDARD COLOR CHIP 36231 PER FED-STD-595. MOUNTING SURFACE IS ELECTROLESS NICKEL PLATE PER MIL-C-26074.

OPTION	QTY./ ASSY.	PART OR IDENT. NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL/SPECIFICATION	ITEM NO.
PARTS LIST					
		CONTRACT NO. M. BOOTH		 A TELEDYNE TECHNOLOGIES COMPANY Mountain View CA, 94043	
		DATE 86-03-28			
		CHECK M. BOOTH		TITLE INSTALLATION DRAWING SC4	
		PROJ ENGR G. POLICKY			
		DATE 86-09-23		SIZE CAGE CODE DWG NO IN-001296 REV B SCALE 1/1 WEIGHT SHEET OF	
		DATE 86-04-21			
		DATE 86-04-21			

4
3
2
1


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