

TGM-18-2004

Module Amplifier

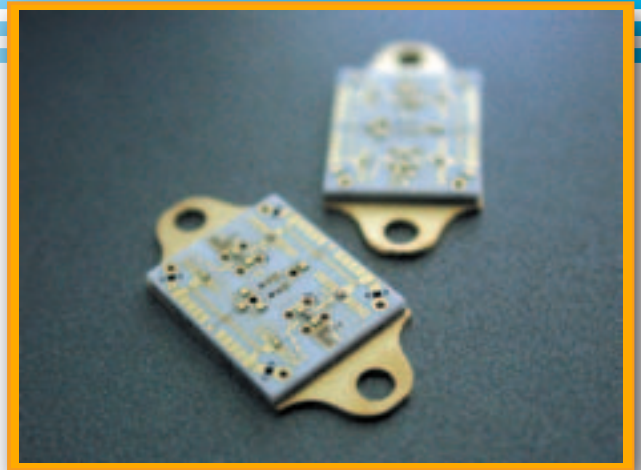
2 GHz - 18 GHz

This Module Amplifier offers exceptional performance over the band 2 GHz to 18 GHz with 12.0 dBm P1dB output power and 15.0 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: TGM-18-2004
Frequency Range: 2 GHz – 18 GHz
Gain (min): 15.0 dB
Gain Vs Temp Coefficient per 1 deg C: -0.022 dB
Noise Figure (max): 9.0 dB
Output Power @ 1dB Compression: 12.0 dBm
Gain Flatness Vs Frequency: +/-0.75 dB
3rd Order Intercept (Typ): Contact Factory
Power Supply:
 Input Voltage: 11.5 to 15 VDC
 Current @ 12 VDC (typ): 120 mA
 Current @ 12 VDC (max): Contact Factory
Case Type (See attached Outline): 1248NP
Temperature Range: +25C



**TELEDYNE
MICROWAVE**

ISO 9001:2000

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REV	DESCRIPTION	DATE	APPROVED
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APPLICATION	
NEXT ASSY	USED ON

Technical drawing of a Module Amplifier showing top, side, and detail views with dimensions.

Top View Dimensions:

- Overall width: 0.246
- Overall height: 0.560
- Top edge radius: 0.075
- Bottom edge radius: 0.075
- Distance from top edge to center of mounting holes: 0.055
- Distance from bottom edge to center of mounting holes: 0.450
- Distance between mounting holes: 0.123
- Distance from center of mounting holes to center of RF ports: 0.205
- RF IN and RF OUT ports are located 0.075 from the side edges.

Side View Dimensions:

- Overall height: 0.140 ± 0.010
- Overall width: 0.015 ± 0.002
- Overall depth: 0.030 ± 0.004

Detail View Dimensions:

- Mounting holes: 0.070 DIA. (2) PLCS.

THIRD ANGLE PROJECTION

CONTRACT NO.		TELEDYNE MICROWAVE A TELEDYNE TECHNOLOGIES COMPANY Mountain View CA. 94043	
DRAWN	DATE	TITLE	
CHECK		INSTALLATION DRAWING 1248N/P SERIES MODULES	
PROJ ENGR		SIZE	CAGE CODE
MFG ENGR		A	
QA ENGR		DWG NO	REV
RLSE DATE			A

SCALE	4/1	WEIGHT	SHEET	OF



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