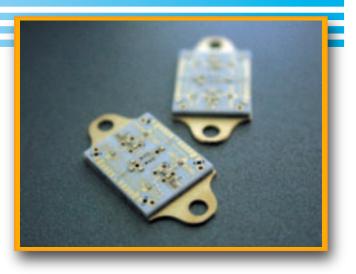
TGM-20-2003 Module Amplifier 2 GHz - 20 GHz

This Module Amplifier offers exceptional performance over the band 2 GHz to 20 GHz with 15.0 dBm P1dB output power and 12.0 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-20-2003 Frequency Range: 2 GHz – 20 GHz Gain (min): 12.0 dB Gain Vs Temp Coefficient per 1 deg C: -0.024 dB Noise Figure (max): 7.0 dB Output Power @ 1dB Compression: 15.0 dBm Gain Flatness Vs Frequency: +/-1.5 dB 3rd Order Intercept (Typ): Contact Factory Power Supply: Input Voltage: 11.5 to 15 VDC Current @ 12 VDC (typ): 100 mA Current @ 12 VDC (max): Contact Factory Case Type (See attached Outline): 1248NP Temperature Range: +25C



ISO 9001:2000

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TGM-20-2003

Module Amplifier 2 GHz - 20 GHz

DWG NO. REV А REVISIONS DATE RFV DESCRIPTION APPROVED А REV & REDR PER ECO APPLICATION NEXT ASSY USED ON B-B+ ВH B+ 0.075 0.075 RF IN RF OUT ł 0.205 4 RF RF IN B+ ВH B+ B+ - 0.246 --0.015±0.002 0.055 \oplus 0.140±0.010 ŧ. 0.560 0.450 \oplus 0.070 DIA. (2) PLCS. 0.030±0.004 - 0.123 -HIRD ANGLE PROJECTION (\oplus) $-\in$ UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR .XX ± .01 ± 0° 30° .XXX ± .005 63/ FINISH 63/ TELEDYNE MICROWAVE A TELEDYNE TECHNOLOGIES COMPANY Mountain View CA. 94043 CONTRACT NO. DRAWN DATE HECK TITLE INSTALLATION DRAWING ROJ ENGR 1248N/P SERIES MODULES DO NOT SCALE DRAWING FC ENGE MATERIAL CAGE CODE DWG NO REV QA ENG A А RLSE DATE SCALE 4/1 WEIGHT SHEET OF 4



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