

ACPM-9374140-TR1



3×4 LTE B7 and B41 (B38) and B40 Tri-band Power Amplifier Module

Product Brief

Description

The ACPM-9374140 is a tri-band PA (power amplifier) that supports LTE bands 7, 41 (38), 40.

Input and output terminals are internally matched to 50 ohms. The power amplifier is manufactured on an advanced InGaP HBT technology that offers state-of-the-art reliability, temperature stability, and ruggedness. This module is housed in a cost effective, extremely small and thin 3 mm × 4mm package.

Features

- Tri-band PA supporting LTE B7 and B38 (B41) and B40
- Thin package (1.0 mm typical)
- Excellent linearity in average power tracking mode
- MIPI RFFE interface
- 20-pin surface mounting package
- Internal 50-ohm matching networks for both RF input and output
- Green –Lead-free and RoHS compliant

Applications

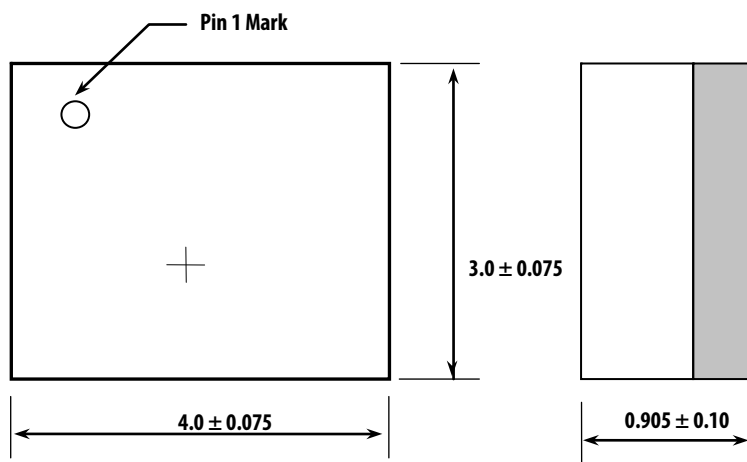
- LTE B7 and B38 (B41) and B40 tri -band handsets, wireless USB data card dongles, and embedded data cards

Ordering Information

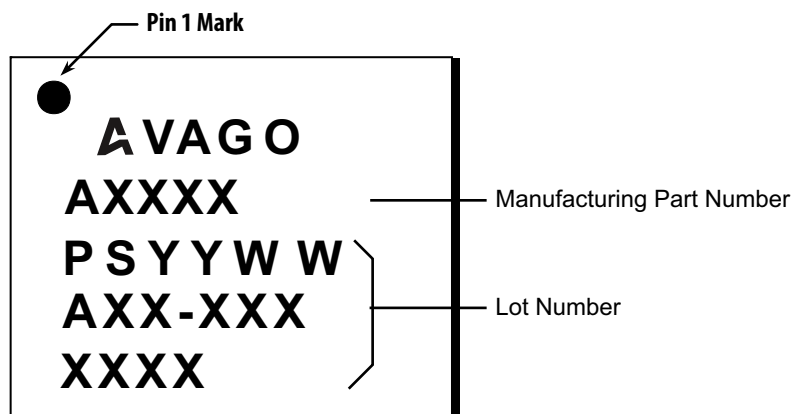
| Part Number | Number of Devices | Container |
|------------------|-------------------|-----------------------|
| ACPM-9374140-TR1 | 1000 | Tape and reel (7 in.) |

Package Dimensions

The dimensions are in millimeters.



Marking Specification



Pin Description

| Pin # | Name | Description |
|-------|--------------|---|
| 1 | Gnd | Ground |
| 2 | B41_RFout | RF output for B41 |
| 3 | GND | Ground |
| 4 | B40_RFout | RF output for B40 |
| 5 | GND | Ground |
| 6 | B7_RFout | RF output for B7 |
| 7 | GND | Ground |
| 8 | GND | Ground |
| 9 | GND | Ground |
| 10 | VBATT | Battery supply |
| 11 | GND | Ground |
| 12 | B7_RFin | RF input B7 |
| 13 | SCLK | MiPi clock |
| 14 | SDATA | MiPi data |
| 15 | VIO | MiPi vio |
| 16 | B40/B41_RFIN | RF input for B40 and B41 |
| 17 | GND | Ground |
| 18 | NC | NC |
| 19 | GND | Ground |
| 20 | VCC | PA collector driver and output stage supply |
| 21 | GND | Ground |

For product information and a complete list of distributors, please go to our web site:

www.avagotech.com

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