

ACPM-7800

Multiband Multimode PA Quad-Band GSM/EDGE and Multi Mode B1, B2/25, B3, B4, B34/39, B5/26, B8, B20, B28A, B28B

Product Brief

Description

The ACPM-7800 is a multiband, multimode PA (power amplifier) that supports GMSK and 8-PSK modulation schemes and UMTS/LTE bands 1, 2/25, 3, 4, 34/39, 5/26, 8, 20, 28A (12/17) and 28B. The ACPM-7800 is designed to support both ET (envelope tracking) and APT (average power tracking) operations.

Input and output terminals are internally matched to 50 ohms. The power amplifier is manufactured on an advanced InGaP HBT technology, which offers state-of-the-art reliability, temperature stability, and ruggedness. This module is housed in a cost-effective, extremely small and thin 5 mm × 7 mm package.

Features

- Quad band GSM/EDGE
- High band UMTS/LTE B1, B2/25, B3, B4, B34/39
- Low band UMTS/LTE: B5/26, B8, B20, B28A (B12/B17) and B28B
- Compatible with MIPI RFFE
- Small Size (7 mm × 5 mm)
- Excellent linearity
- High efficiency
- Bias (quiescent current) control by MIPI RFFE
- 42-pin surface mounting package
- Internal 50-Ω matching networks for both RF input and output
- Green – Lead-free and RoHS compliant

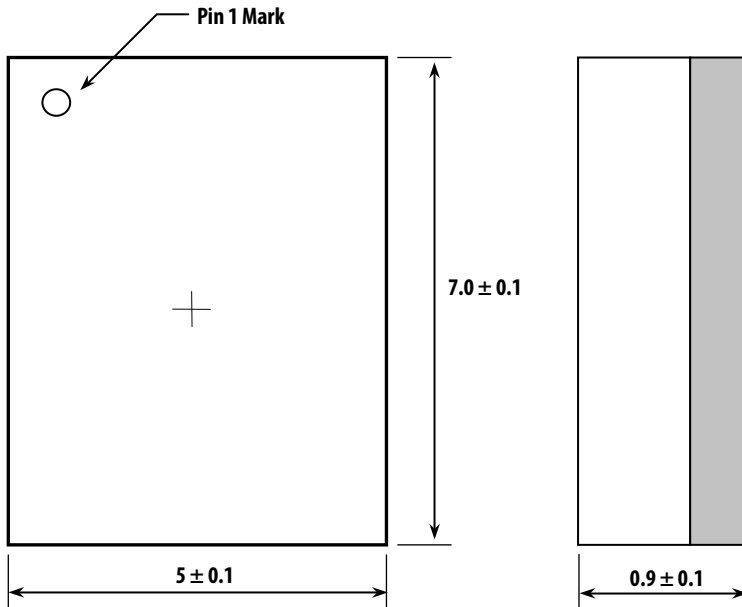
Application

- GSM850/900, DCS1800/PCS1900
- UMTS/LTE B1, C2K BC6
- UMTS/LTE B2, LTE B25, C2K BC1
- UMTS/LTE B3
- UMTS/LTE B4, C2K AWS
- TD-SCDMA B34 and B39, TD-LTE B39
- UMTS/LTE B5, LTE B26, C2K BC0
- UMTS/LTE B8
- LTE B12/17
- LTE B20
- LTE B28A
- LTE B28B

Ordering Information

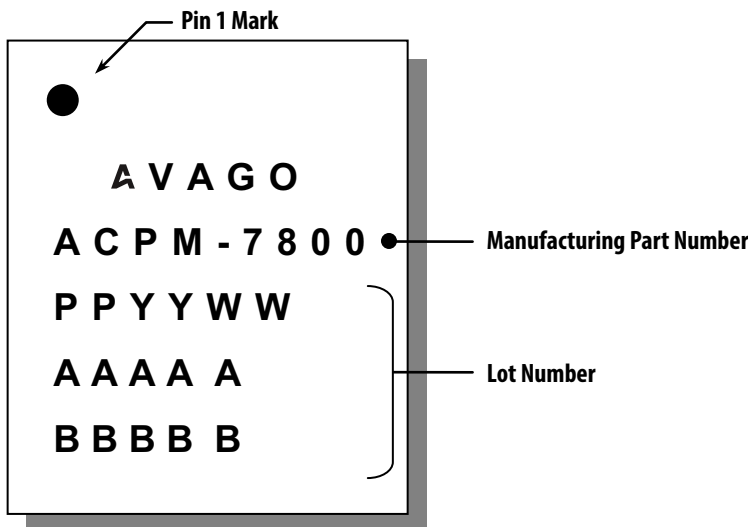
Part Number	Number of Devices	Container
ACPM-7800-TR1	1,000	178 mm (7 in.) tape/reel

Package Dimensions

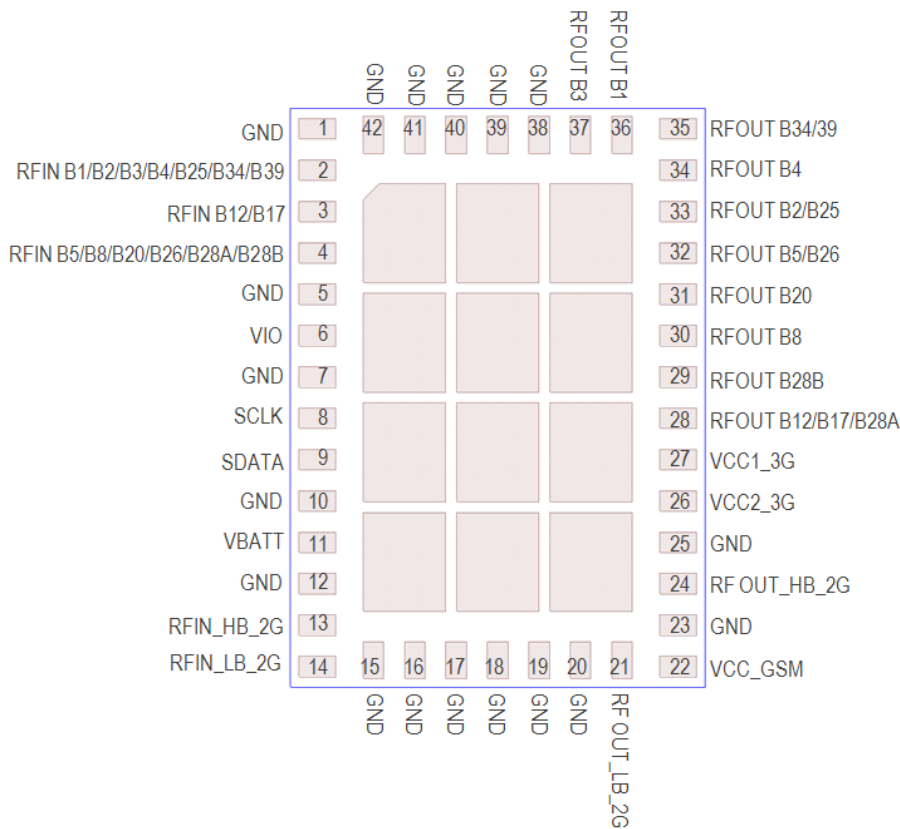


All dimensions in millimeters

Marking Specification



Pin Description



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

www.avagotech.com

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TECHNOLOGIES

Lead (Pb) Free
RoHS 6 fully compliant
RoHS 6 fully compliant options available;
-xxxE denotes a lead-free product