

ACPM-7617



Multiband, Multimode PA Quad-Band GSM/EDGE and Multi Mode B1/B2/B3/B4/B5(26)/B8/B17

Product Brief

Description

The ACPM- 7617 is a multiband, multimode PA (power amplifier) that supports GMSK and 8-PSK modulation schemes and UMTS/LTE bands 1, 2, 3, 4, 5, 8, and 17. The ACPM-7617 is designed to support ET (envelope tracking).

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 5 mm × 7 mm package.

Features

- Quad band GSM/EDGE
- UMTS/LTE B1, B2, B3, B4, B5, B8, and B17
- 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-ohm matching networks for both RF input and output
- Green – Lead-free and RoHS compliant

Application

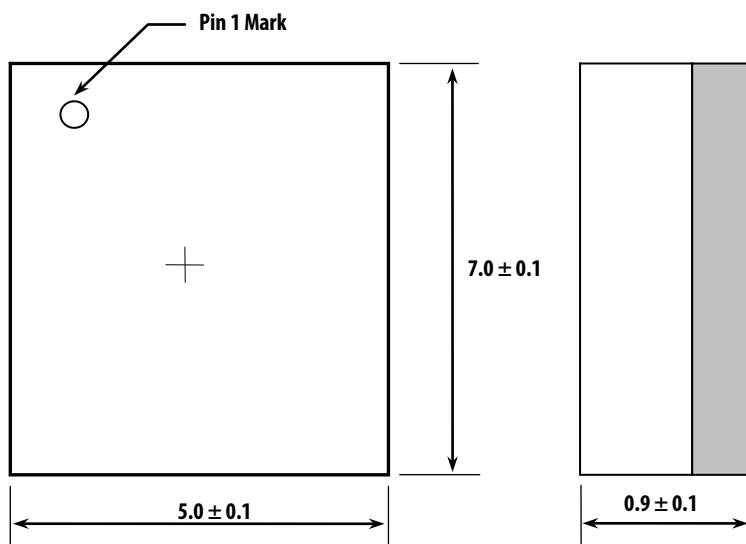
- GSM850/900, DCS1800/PCS1900
- UMTS/LTE B1
- UMTS/LTE B2
- UMTS/LTE B3
- UMTS/LTE B4
- UMTS/LTE B5
- UMTS/LTE B8
- LTE B17

Ordering Information

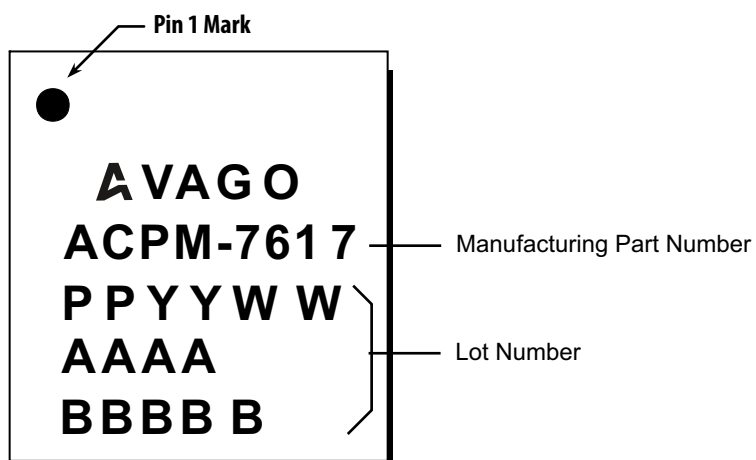
Part Number	Number of Devices	Container
ACPM-7617-TR1	1,000	178 mm (7 in.) tape/reel

Package Dimensions

The dimensions are in millimeters.



Marking Specification



Pin Description

		GND	GND	GND	GND	GND	NC	GND		
RF_IN_B1_B2	1	42	41	40	39	38	37	36	35	RF_OUT_B1
RF_IN_B3_B4	2								34	RF_OUT_B3
RF_IN_B26	3								33	RF_OUT_B4
RF_IN_B5_B8	4								32	RF_OUT_B2
RF_IN_B17	5								31	RF_OUT_B5_B26
VIO	6								30	RF_OUT_B17
GND	7								29	RF_OUT_B8
SCLK	8								28	VCC1
SDATA	9								27	VCC2
GND	10								26	VCC GSM
VBATT	11								25	GND
GND	12								24	RF_OUT_GSM_HB
RF_IN_GSM_HB	13								23	GND
RF_IN_GSM_LB	14	15	16	17	18	19	20	21	22	RF_OUT_GSM_LB
		GND	GND	GND	GND	GND	GND	GND		

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

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