

# ACPM-7777

## Multiband Multimode PA Quad-Band GSM/EDGE and Multi Mode B1/B2/B3/B4/B5/B8/B17(13,20,28)

### Product Brief

#### Description

The ACPM- 7777 is a multiband multimode PA that supports GMSK and 8-PSK modulation schemes and UMTS bands 1, 2, 3, 4(34,39), 5, 8 and 17(13,20,28).

A directional coupler is integrated for UMTS PAs and isolation port is terminated internally.

Input and output terminals are internally matched to 50 ohms. The power amplifier is manufactured on an advanced InGaP HBT technology offering 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

- Internal daisy-chain coupler
- Quad band GSM/EDGE
- UMTS/LTE: 4 high band outputs and 3 low band outputs
- UMTS B1, B2, B3, B4, B5, B8 and B17(13,20,28)
- Small size (7 mm × 5 mm)
- APT compatible
- High efficiency with APT
- Compatible with MIPI RFFE
- Internal 50 Ω matching networks for both RF input and output
- Green – lead-free and RoHS compliant

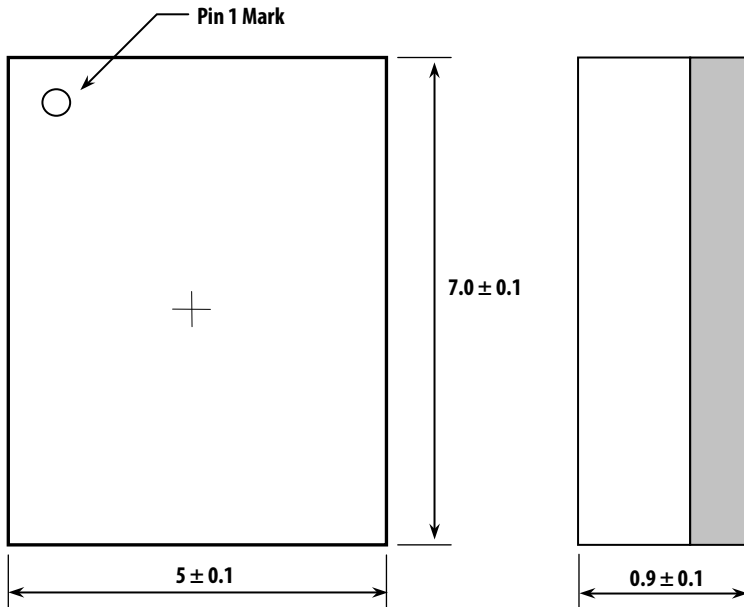
#### Applications

- GSM850/900, DCS1800/PCS1900
- UMTS/LTE B1, C2K BC6
- UMTS/LTE B2, LTE B25, C2K BC1
- UMTS/LTE B3
- UMTS/LTE B4
- TD-SCDMA B34, B39, TD-LTE B39
- UMTS/LTE B5, LTE B26, C2K BC0
- UMTS/LTE B8
- LTE B17, B13, B20 or B28

#### Ordering Information

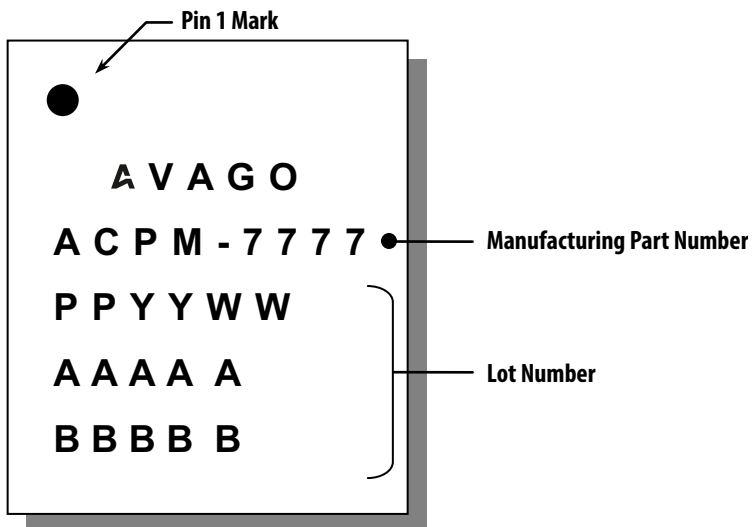
Part Number	Number of Devices	Container
ACPM-7777-TR1	1000	178 mm (7 in.) tape/reel

## Package Dimensions



All dimensions in millimeters

## Marking Specification



## Pin Description

		GND	GND	GND	GND	GND	CPL	GND		
RFIN HB	1	42	41	40	39	38	37	36	35	RFOUT B1
RFIN 2G HB	2								34	RFOUT B3
RFIN 2G LB	3								33	RFOUT B4
RFIN LB	4								32	RFOUT B2
RFIN B17	5								31	RFOUT B5_B26
VIO	6								30	RFOUT B17
GND	7								29	RFOUT B8
SCLK	8								28	VCC1 3G
SDATA	9								27	VCC2 3G
GND	10								26	VCC GSM
VBAT	11								25	GND
GND	12								24	RFOUT 2G HB
NC	13								23	GND
NC	14	15	16	17	18	19	20	21	22	RFOUT 2G LB
		GND	GND	GND	GND	GND	GND	GND		

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