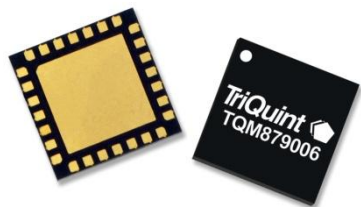


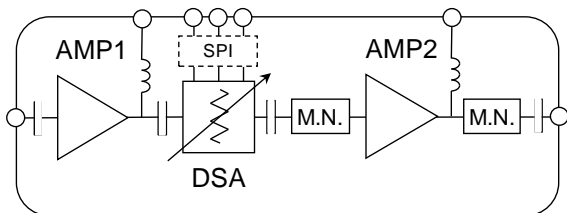
# TQM879006: Digital Variable Gain Amplifier

Released  
09/07/10



## Product Features

- 1.8 – 2.7 GHz
- Fully integrated 50Ω module
- Integrated matching, bias chokes, bypass / blocking capacitors
- Combines amp + DSA + amp
- 6-bit, 31.5dB range digital variable gain
- Serial mode control



28-pin 6x6mm leadless SMT

## Applications

- BTS 3G / 4G wireless infrastructure
- Repeaters
- Tx amplifier module
- PtP radio IF chains

Individual Stage Performance				Overall Performance
Function	AMP1	DSA	AMP2	
Gain (dB)	19	-1.8	14	31
NF (dB)	1.3	1.8	4.5	1.5
OIP3 (dBm)	37	55	41	41
P1dB (dBm)	19.5	26	25.4	25.4
Icc (mA)	85	0	115	200

