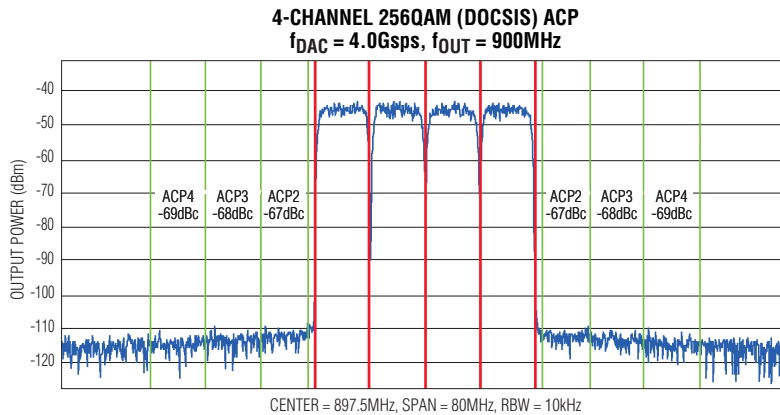
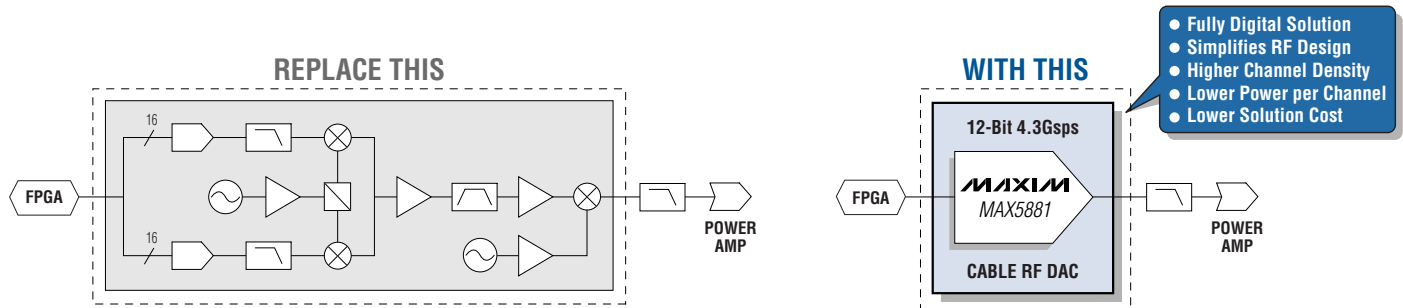


12-Bit, 4.3Gsp/s RF DAC DIRECTLY SYNTHESIZES FOUR QAM CHANNELS IN 50MHz TO 1000MHz CABLE DOWNSTREAM BAND

Enables Fully Digital Upconverter for DOCSIS® 3.0-Compliant Edge QAM Devices and Cable Modem Termination Systems (CMTS)



◆ Industry-Leading Dynamic Performance

- ◆ Supports Up to Four 6MHz* QAM Channels
- ◆ ACP2 = -67dBc at $f_{OUT} = 1000\text{MHz}$ (6MHz Offset)
- ◆ ACP3 = -68dBc at $f_{OUT} = 1000\text{MHz}$ (12MHz Offset)
- ◆ ACP4 = -69dBc at $f_{OUT} = 1000\text{MHz}$ (18MHz Offset)

◆ Datasource (FPGA) Board Available

◆ 4.3Gsp/s Output-Update Rate

- ◆ Direct RF Synthesis: 50MHz to 1000MHz
- ◆ Low Power: 1.2W at 4.0Gsp/s
- ◆ 4:1 Multiplexed LVDS Inputs
- ◆ 11mm x 11mm, 169-CSBGA Package
- ◆ Evaluation Kit Available

DOCSIS is a registered trademark of Cable Television Laboratories, Inc. (CableLabs®).
 *Supports EuroDOCSIS, 8MHz QAM Channels.



www.maxim-ic.com/Cable-RF-DAC

FREE High-Speed ADCs, DACs, and AFEs Design Guide—Sent Within 24 Hours!

CALL TOLL FREE 1-800-998-8800 (7:00 a.m.–5:00 p.m. PT) for a Design Guide or Free Sample



1-888-MAXIM-IC



1-800-332-9638

Distributed by Maxim Direct, Avnet Electronics Marketing, Digi-Key, and Newark.
 The Maxim logo is a registered trademark of Maxim Integrated Products, Inc.
 © 2007 Maxim Integrated Products, Inc. All rights reserved.