

Communications & Radio Frequency ICs - continued

| Mfr. Pins | Pkg | Description | Mfrs. List No. | Order Code | 1+ | 25+ | 100+ | 250+ | + |
|--------------|------------|---|----------------|------------|----------|----------|----------|------|----|
| 9820 NSC 116 | SMT Module | Bluetooth Serial Port Module | LMX9820ASM | 100-8040 | 1,604.00 | 1,393.00 | 1,270.00 | -- | -- |
| 9830 ADI 48 | TQFP | CMOS Complete Direct Digital synthesis (DDS) Device, Max. Freq. out 50MHz, Parallel Data Loading, 5V operation (TQFP) | AD9830ASTZ | 960-4030 | 839.00 | 719.00 | 599.00 | -- | -- |
| 9831 ADI 48 | TQFP | CMOS Complete Direct Digital synthesis (DDS) Device, Max. Freq. out 12.5MHz, Parallel Data Loading, 3V or 5V operation | AD9831ASTZ | 107-9332 | 564.00 | 499.00 | 437.00 | -- | -- |
| 9832 ADI 16 | TSSOP | Direct Digital Synthesis for digitized samples of sine wave to drive a DAC. Uses phase accumulator, sine look up table and DAC. Facilitates phase and frequency modulation (FSK, PSK, QPSK). (IND TEMP/TSSOP) | AD9832BRUZ | 960-3743 | 422.00 | 361.00 | 301.00 | -- | -- |
| 9834 ADI 20 | TSSOP | 20 mW Power, 2.3 V to 5.5 V, 50 MHz Complete DDS | AD9834BRUZ | 839-8330 | 506.00 | 385.00 | 346.00 | -- | -- |
| 9835 ADI 16 | TSSOP | CMOS Complete Direct Digital synthesis (DDS) Device, Max. Freq. out 50MHz, Serial Data Loading, 5V operation (TSSOP) | AD9835BRUZ | 960-4049 | 485.00 | 442.00 | 403.00 | -- | -- |
| 9858 ADI 100 | TQFP | 1 GSPS Direct Digital Synthesizer | AD9858BSVZ | 839-8356 | 3,012.00 | 2,901.00 | 2,718.00 | -- | -- |
| 9861 ADI 64 | LFCSP | 50 MSPS, Mixed-Signal Front-End (MxFE™) Baseband Transceiver for Broadband Applications | AD9861BCPZ-50 | 114-3312 | 988.00 | 823.00 | 658.00 | -- | -- |
| 9865 ADI 64 | LFCSP | Broadband Modem Mixed Signal Front End | AD9865BCPZ | 839-8410 | 839.00 | 719.00 | 600.00 | -- | -- |
| 9951 ADI 48 | TQFP | 400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer | AD9951YSVZ | 839-8445 | 1,161.00 | 1,109.00 | 962.00 | -- | -- |
| 9952 ADI 48 | TQFP | 400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer | AD9952YSVZ | 114-3313 | 1,310.00 | 1,111.00 | 933.00 | -- | -- |
| 9953 ADI 48 | TQFP | 400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer | AD9953YSVZ | 839-8461 | 1,246.00 | 1,058.00 | 888.00 | -- | -- |
| 9954 ADI 48 | TQFP | 400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer | AD9954YSVZ | 114-3314 | 1,457.00 | 1,236.00 | 1,038.00 | -- | -- |
| 9956 ADI 48 | LFCSP | 400 MSPS, 14-Bit DAC, 48-Bit FTW 1.8 V CMOS DDS Based AgileRF Synthesizer | AD9956YCPZ | 107-8236 | 1,457.00 | 1,236.00 | 1,038.00 | -- | -- |
| 52543AV 4 | SOT-343 | Low Noise 6 GHz Amplifier | MGA-52543-BLKG | 108-5623 | 193.00 | 152.00 | 121.00 | -- | -- |
| 72543AV 4 | SOT-343 | Low Noise Amplifier with Bypass Switch, 0.1 to 6 GHz | MGA-72543-BLKG | 108-5615 | 144.00 | 113.00 | 90.00 | -- | -- |
| 72543AV 4 | SOT-343 | Low Noise Amplifier with Bypass Switch, 0.1 to 6 GHz | MGA-72543-BLK | 325-5890 | 144.00 | 113.00 | 90.00 | -- | -- |
| 81563AV 6 | SOT-363 | RF Amplifier 3V, 0.1 - 6 GHz, 14dB | MGA-81563-BLKG | 108-5616 | 140.00 | 110.00 | 88.00 | -- | -- |
| 82563AV 6 | SOT-363 | RF Amplifier 3V, 0.1 - 6 GHz, 17dB | MGA-82563-BLKG | 108-5617 | 151.00 | 119.00 | 94.00 | -- | -- |
| 82563AV 6 | SOT-363 | RF Amplifier 3V, 0.1 - 6 GHz, 17dB | MGA-82563-BLK | 325-5918 | 151.00 | 119.00 | 94.00 | -- | -- |
| 83563AV 6 | SOT-363 | +22dB, D109PSAT Power Amplifier, C103 3V, 0.5-6 GHz | MGA-83563-BLKG | 108-5618 | 202.00 | 159.00 | 126.00 | -- | -- |
| 85563AV 6 | SOT-363 | Low Noise Amplifier for 0.8-6GHz applications, 3V, +12 to +17dB | MGA-85563-BLKG | 108-5619 | 149.00 | 117.00 | 93.00 | -- | -- |
| 87563AV 6 | SOT-363 | 0.5-4 GHz, 3V, Low Current GaAs MMIC LNA, 12.5dB at 2.4 GHz | MGA-87563-BLKG | 108-5620 | 160.00 | 126.00 | 100.00 | -- | -- |
| 87563AV 6 | SOT-363 | 0.5-4 GHz, 3V, Low Current GaAs MMIC LNA, 12.5dB at 2.4 GHz | MGA-87563-BLK | 325-5943 | 160.00 | 126.00 | 100.00 | -- | -- |
| 91563AV 6 | SOT-363 | 0.8-6 GHz Downconverter, Single +3V Supply, +0 dBm Input IP3 at 1.9 GHz, 8.5dB SSB Noise Figure at 1.9 GHz, 9.0dB Conversion Gain at 1.9 GHz | IAM-91563-BLKG | 108-5624 | 229.00 | 181.00 | 143.00 | -- | -- |

Semiconductors - Integrated Circuits

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Bluetooth Development Kit



The Bluetooth Development Kit is designed to plug into a host motherboard for evaluation purposes or small production runs, it can then be transferred into full volume production with the minimum of design requirements avoiding any lengthy design cycles and lowering design costs.



Features

- 2 point-to-multipoint TDK USB Bluetooth modules for both ends of the wireless communications
- Bluetooth specification 1.1 compliant for the latest released features and compatibility
- Rich set of APIs for maximum development flexibility
- Intelligently designed APIs for concise interfaces
- Sample applications for quick start-up
- Trace utility for configurable, real-time monitoring of all stack layers
- Complete and comprehensive documentation for quick and easy reference
- Simple, intuitive programmer interface

System Requirements:

- Windows 98 SE / Me / 2000 (SP 2) / XP
- Microsoft Visual C++ 6.0 (SP 5)
- USB port
- CD-ROM drive for installation

339723

| Mfrs. List No. | Description | Order Code | Price Each |
|----------------|-------------------------|------------|------------|
| TRBLU23-00200 | Bluetooth Serial Module | 120-8389 | 9,943.00 |
| TRBLU23-00300 | Bluetooth Serial Module | 120-9331 | 5,644.00 |

RadioWire® Development System



The RadioWire Development system is a multi function development kit that gives the user first hand experience of the RF performance as well as in depth development assistance. Its many features allow the user do basic RF parameter testing as well as being a system development platform.

The four different DIP settings allow the user to do a "quick set-up" without using a PC to evaluate the RadioWire product line. The supplied RF Test Bench PC program allows the user to add a personal touch and to perform a system application specific evaluation such as modifying data rate, power management operating frequency and more.

Features:

- RadioWire performance evaluation
- Firmware development platform (includes ICD2 interface)
- Available with operating default frequency of 433.92 or 915MHz

Kit Contents:

- 2 boards with antenna
- RS232 cable
- Battery
- CD containing source code & reference designs

423195

| Mfrs. List No. | Order Code | Price Each |
|--|------------|------------|
| RadioWire® Development System - operating frequency = 850MHz-900MHz | | |
| MICRF505DEV1 | 110-0702 | 17,845.00 |
| RadioWire® Development System - operating frequency = 410MHz-450MHz | | |
| MICRF506DEV1 | 110-0703 | 17,845.00 |

Embedded Internet Connectivity



eDevice products offer complete Internet connectivity solutions at a low cost, a minimal footprint, and provide all necessary protocols to exchange data on TCP/IP networks for any type of devices including equipment without embedded electronics eliminating the need for "walk-up to device" maintenance. eDevice products are characterized as easy to use and contain standard off-the-shelf components. eDevice offers bi-directional connectivity solutions for PSTN (analog phone lines), LAN/Ethernet and GSM/GPRS (wireless networks). They embed three functional software blocks: -**application layer** and user interface (AT#) containing the commands that drive the data exchange between the RS232 serial port and the TCP/IP network

-the **TCP/IP protocol stack** and associated services (DNS, DHCP, HTTP, FTP, Mail, etc.)
 -the **network layer**: PSTN Modem, MAC to Ethernet, GSM/GPRS Modem. The communication solutions are available in different form-factors:

382048

eDmod



eDmod100



eDmod200