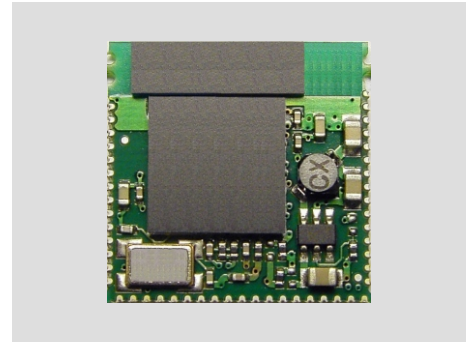


Bluetooth® Module VoCall® Class 2

OUTLINE

Wireless communication module conforming to
 Bluetooth® Ver. 1.2
 DSP Co-Processor
 Dual Power Operation (1.8V / 3.3V)
 16-bit Stereo Audio CODEC
 Applications: Stereo Headphones
 Automotive Hands-Free Kits
 Enhanced Audio Applications
 High Performance Telephony Headsets



*The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc.

FEATURES

Small size
 UART, USB and PCM interfaces available
 Conforming to Bluetooth® Class 2
 Operating temperature range: -40 °C to +85 °C
 Integrated antenna

SPECIFICATIONS

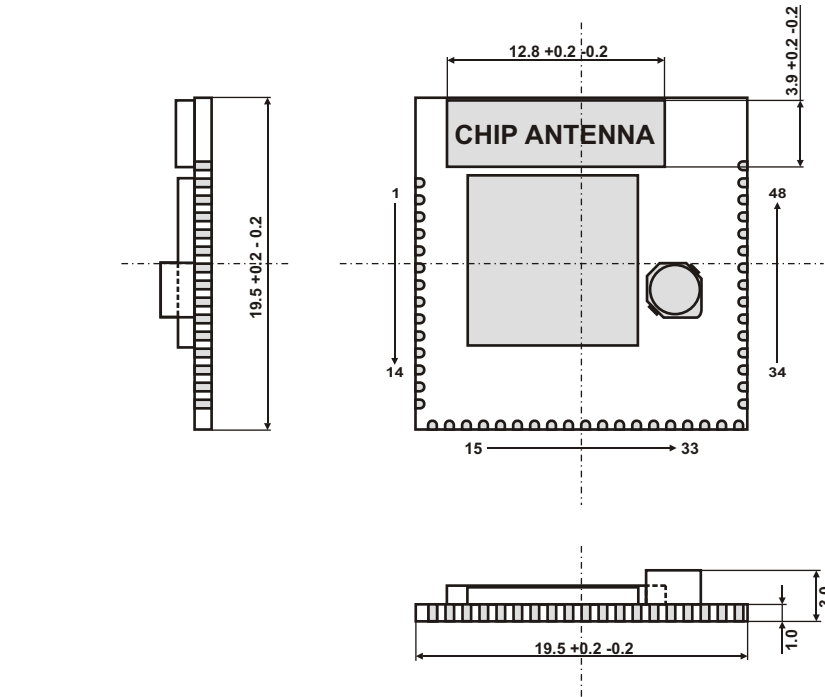
Item	
Frequency	2402 ~ 2480MHz
Modulation	FHSS / GFSK
Channel intervals	1MHz
Power supply voltage	1.8V (± 0.1V), 3.3V (± 0.3V)
Current consumption	<= 50mA
Receive sensitivity	tbd.
Output level (Class 2)	4dBm max.
Mikrofon amplifier:	
Input full scale at max. gain	~ 4mVrms
Input full scale at min. gain	~ 400mVrms
Output stage:	
Output power into 32 Ohm	~ 30mVpk
Output voltage full scale swing	~ 2Vpk-pk
Dimensions	19.5(W) x 19.5(L) x 3.0(H) mm

technical changes reserved

Bluetooth® Module VoCall® Class 2

DIMENSIONS

ALL DEMINSIONS MM



TERMINALS	
1. PIO10	25. AUDIO_OUT_RP
2. PIO9	26. AIO0
3. PIO3	27. AIO1
4. PIO8	28. AIO3
5. PIO2	29. USB-DN
6. PIO11	30. USB-DP
7. AUX-DAC	31. 3V3
8. PIO1	32. 1V8
9. PIO0	33. GND
10. PIO7	34. UART-RTS
11. PIO4	35. UART-CTS
12. PIO5	36. UART-RX
13. PIO6	37. UART-TX
14. GND	38. PCM-IN
15. AUDIO_IN_RP	39. PCM-CLK
16. AUDIO_IN_RN	40. PCM-SYNC
17. GND	41. PCM-OUT
18. AUDIO_IN_LP	42. RESET
19. AUDIO_IN_LN	43. NRESET
20. GND	44. SPI-MOSI
21. AUDIO_OUT_LN	45. SPI-CLK
22. AUDIO_OUT_LP	46. SPI-MISO
23. GND	47. SPI-NCS
24. AUDIO_OUT_RN	48. GND

For further informations please contact....

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