

MICS Band Module (LBAA0PC1RM-298)

Ultra-small implantable radio

Good conductivity in the human body

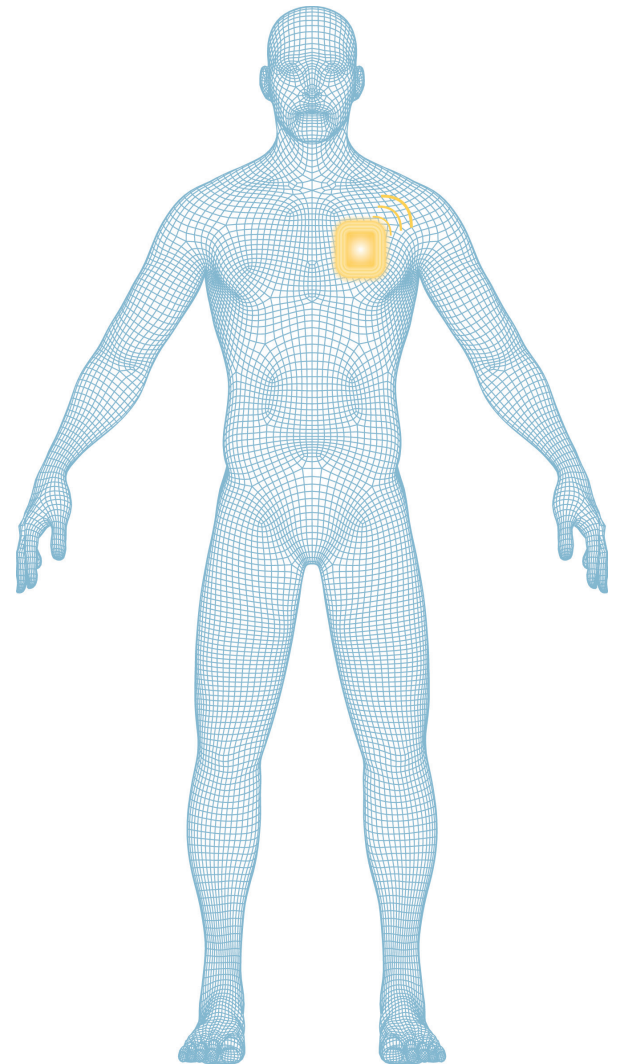
Medical implantable communication system (MICS) radio features good conductivity in human body higher data rate, and a communication range up to 2 meters all while operating in the core band of 402 to 405 MHz

Features

- Compact size: 8.6 x 5.6 x 1.7 mm
- Ultra-low current consumption: 1.3mA idle state
- High Data Rate: 128 kbps
- Operating frequency: 402-405 MHz band

Applications & Benefits

- Active implant devices with wireless capabilities that can be used to diagnose, monitor and provide warnings in support of human life)
- Small in stature for small implantable devices
- Extended implant device battery life due to low current consumption
- For data intensive therapeutic and vital monitoring applications
- Accepted worldwide for transmitting data in support of therapeutic medical implant device functions
- Medical implantable device manufacturers:
 - Insulin/drug/baclofen pumps
 - Arrythmia monitors
 - Bladder monitor, etc.
- Medical/Healthcare: reporting and monitoring



Specifications

Part Number	LBAA0PC1RM-298
Operating Band	402 to 405 MHz
Output Power	Up to 8 dBm (programmable)
Receiver Sensitivity	-96 dBm (typ)
Current Consumption	TX: 14.8 mA (typ), RX:14.8 mA (typ)
Voltage Input	3.0V
Antenna	Off board antenna
Dimensions	8.6 mm x 5.6 mm x 1.7 mm
Host Interface	SPI
Operating Temp	0°C to + 55°C

