

表面実装型誘電体チップアンテナAMDシリーズは、豊富な実績を持つ当社の高周波セラミックス技術と、最新の高周波設計技術とを融合させた、高性能な誘電体アンテナです。小型・薄型で、広帯域特性を有しています。小型携帯機器や通信モジュールへの搭載に適しています。

Surface mountable dielectric chip antennas AMD series are result of harmonizing our long experience in ceramic material & process technologies for high frequency applications together with cutting-edge RF design technologies. It is very small with low profile, but has a wide range of frequency band. It is suitable for compact mobile equipment and communication modules.

## 特長

小型・低背アンテナ

高利得

無指向性

外部調整回路により、適用周波数帯へ調整可能

AMD1103-ST01 : 400 MHz ~ 1000 MHzの範囲

AMD0302-ST01 : 2400 MHz帯

## 用途

AMD1103-ST01

テレメータ(産業用、医療用)、テレコン、データ通信、キーレスエントリー、

イモビライザー、カーセキュリティ音声通信

AMD0302-ST01

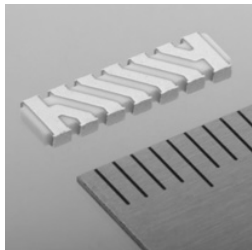
Bluetooth、ZigBee、無線LAN

## ■Features

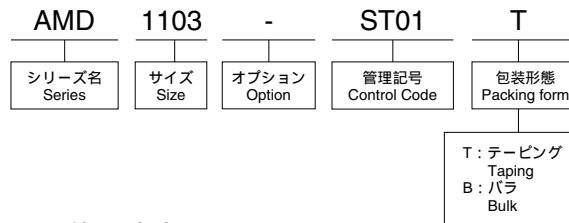
- Very small
- High gain
- Omini-directional
- With an external tuning circuit, the adjustment to an application frequency range is possible.
- AMD1103-ST01 : 400 MHz ~ 1000 MHz.
- AMD0302-ST01 : 2400 MHz band.

## ■Applications

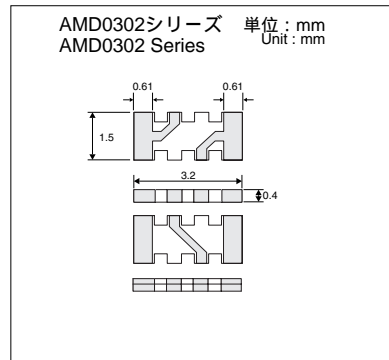
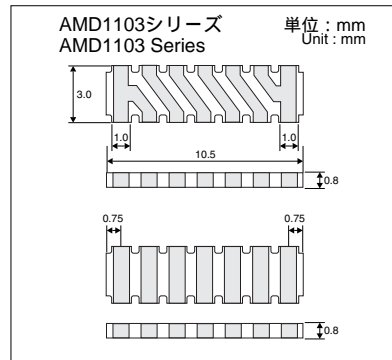
- AMD1103-ST01  
Telemeter(Industrial & medical use), Telemetry, Telecontroller, Data communication, Keyless entry system, Immobilizer system, Car security system, Voice communication terminal
- AMD0302-ST01  
Bluetooth, ZigBee, Wireless LAN



## 形名構成 Part number system



## 形状・寸法 Dimensions



## 電気特性 (参考値) Characteristics (Reference)

### AMD1103-ST01

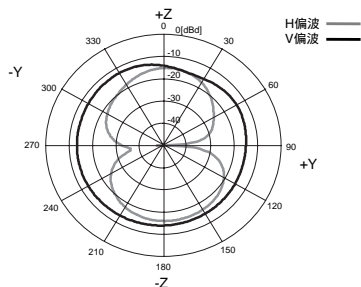
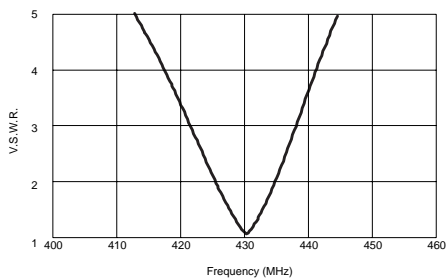
調整周波数 Tuned frequency	V.S.W.R. 3の帯域幅 Bandwidth in V.S.W.R. 3	最大利得 Peak Gain	平均利得 Average Gain
430MHz	16MHz	-10.9dBd	-13.1dBd
868MHz	60MHz	-2.2dBd	-5.3dBd
915MHz	65MHz	-0.5dBd	-4.0dBd

### AMD0302-ST01

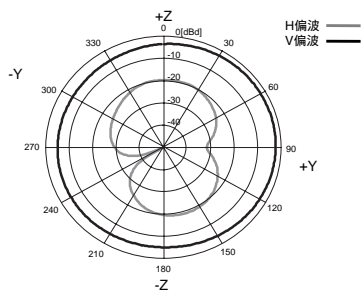
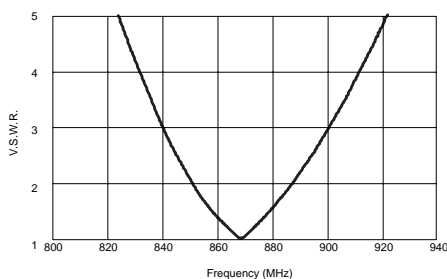
調整周波数 Tuned frequency	V.S.W.R. 3の帯域幅 Bandwidth in V.S.W.R. 3	最大利得 Peak Gain	平均利得 Average Gain
2440MHz	270MHz	-0.5dBd	-3.8dBd

AMD1103-ST01

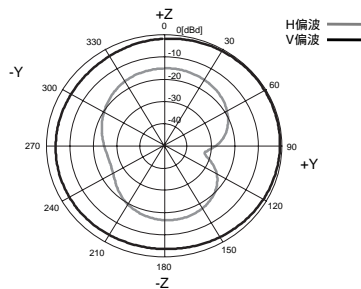
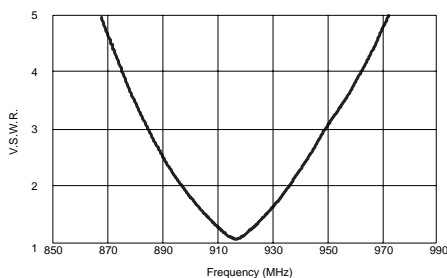
V.S.W.R.特性および放射特性(参考): 430 MHz調整 V.S.W.R. & radiation characteristics (Reference) : 430 MHz



V.S.W.R.特性および放射特性(参考): 868 MHz調整 V.S.W.R. & radiation characteristics (Reference) : 868 MHz

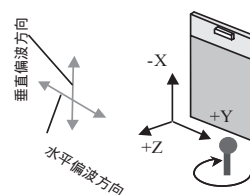
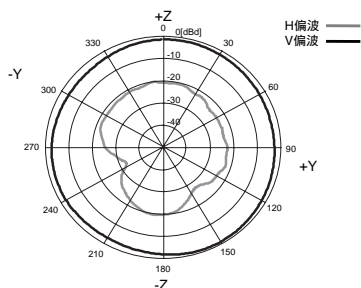
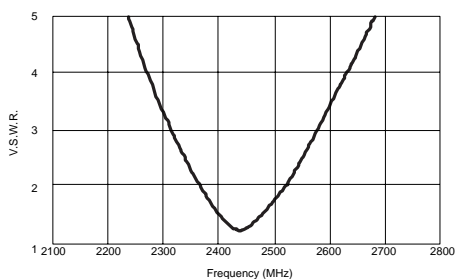


V.S.W.R.特性および放射特性(参考): 915 MHz調整 V.S.W.R. & radiation characteristics (Reference) : 915 MHz



AMD0302-ST01

V.S.W.R.特性および放射特性(参考): 2440 MHz調整 V.S.W.R. & radiation characteristics (Reference) : 2440 MHz



CHIP ANTENNAS  
チップアンテナ

\* これらの特性は代表特性であり、保証特性ではありません。  
\* These characteristics are not guaranteed ones, but typical ones.