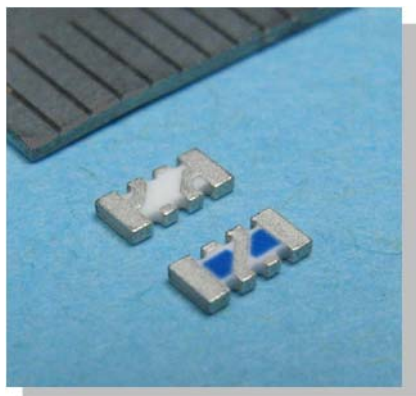


SMD Antenna

<外觀 Photo>



<特徴 Features>

- ・超小型 Very small ($3.2 \times 1.5 \times 0.4\text{mm}^3$)
- ・高利得 High gain
- ・無指向性 Omini-directional

<用途 Applications>

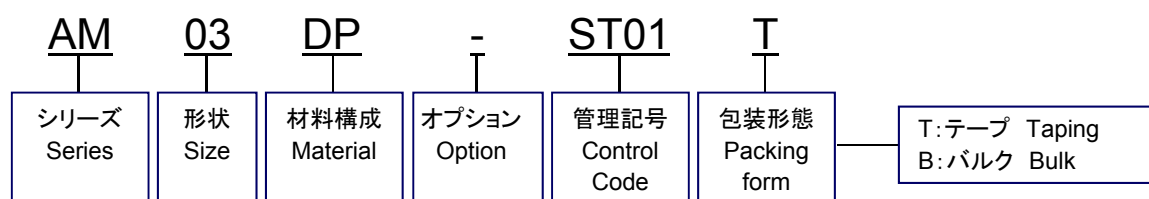
Bluetooth 機器、IEEE802.11g/b機器、ZigBee機器
その他...

Bluetooth , IEEE802.11g/b & ZigBee systems, etc...

<電気特性 Electric Specifications>

形名 Type	AM03DP-ST01
周波数範囲 Applicable Frequency Range *	2400～2484MHz
入力インピーダンス Input impedance	50Ω

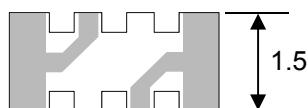
<形名構成 Part Numbering System>



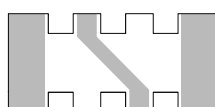
<寸法 Dimensions>

[単位 Units : mm]

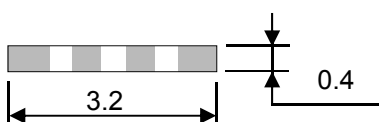
上面 Top



下面 Bottom



側面 Side

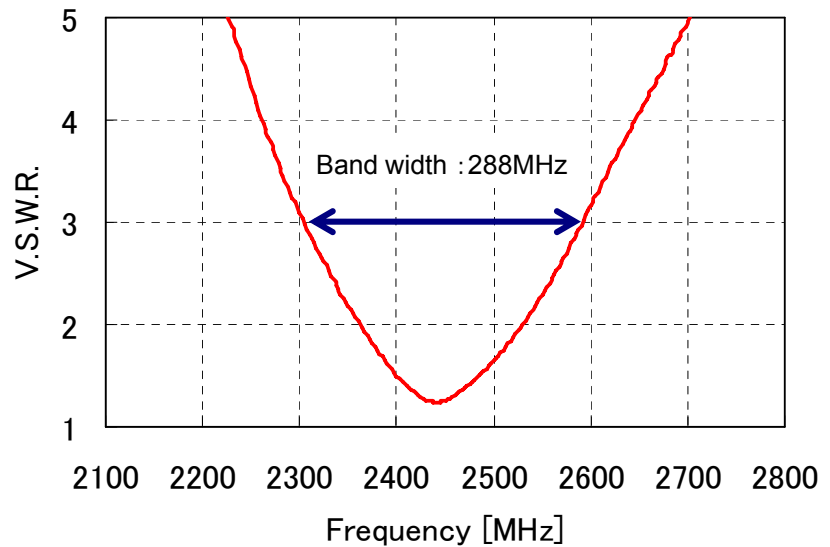
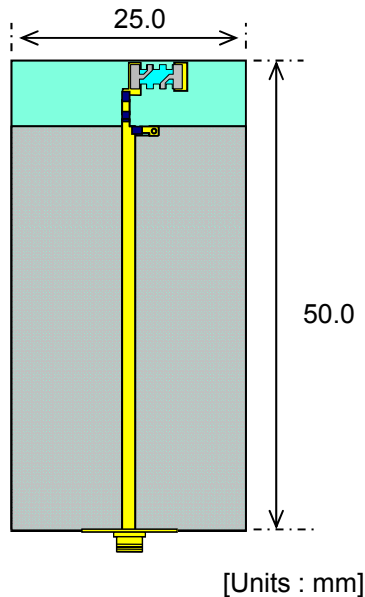


□ : セラミックス素体 Ceramics body

■ : 導体パターン Conductor pattern

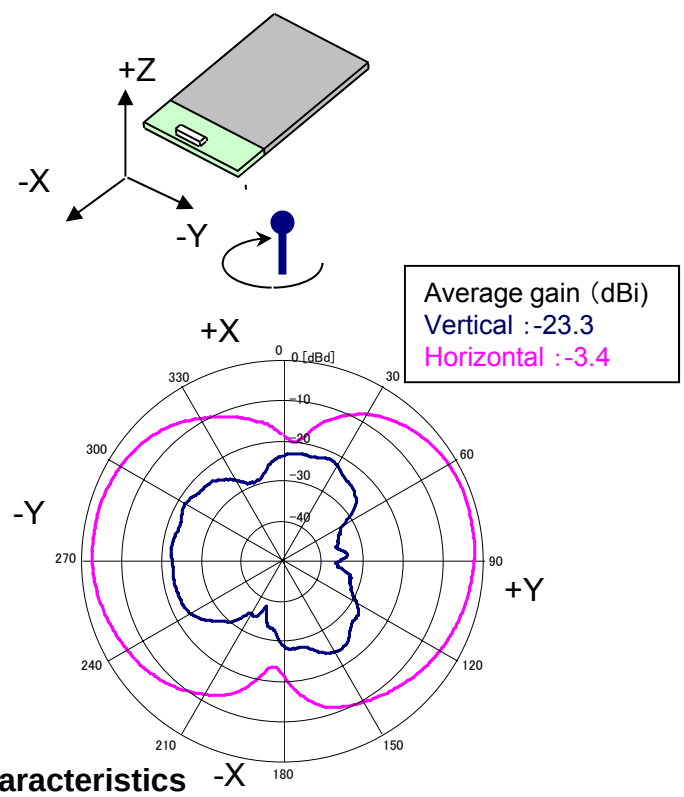
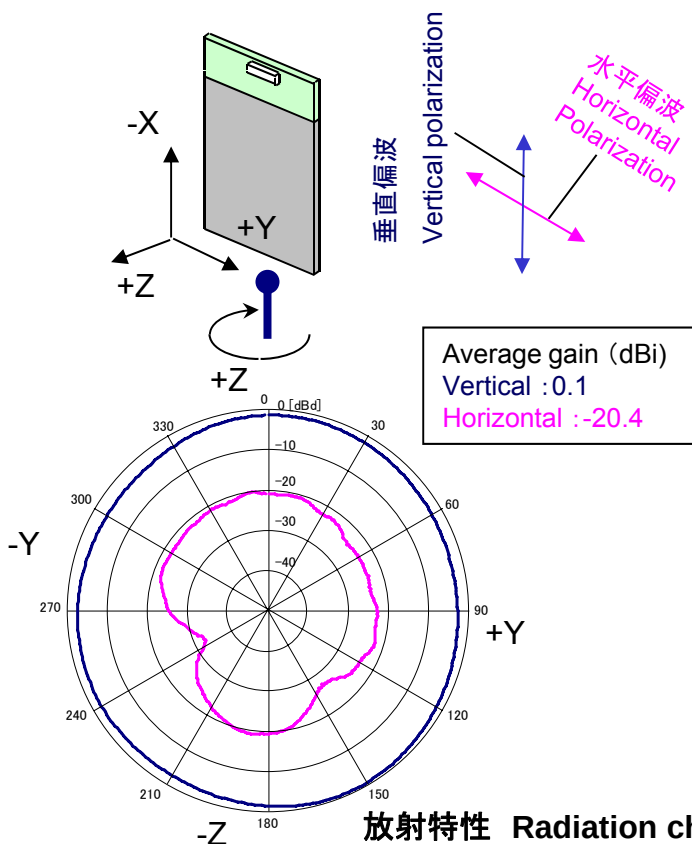
SMD Antenna

<V.S.W.R. & 放射特性 V.S.W.R. & Radiation characteristics :2442MHz>



評価基板 Evaluated board

V.S.W.R. 特性 V.S.W.R. characteristic



$f_c = 2442\text{MHz}$

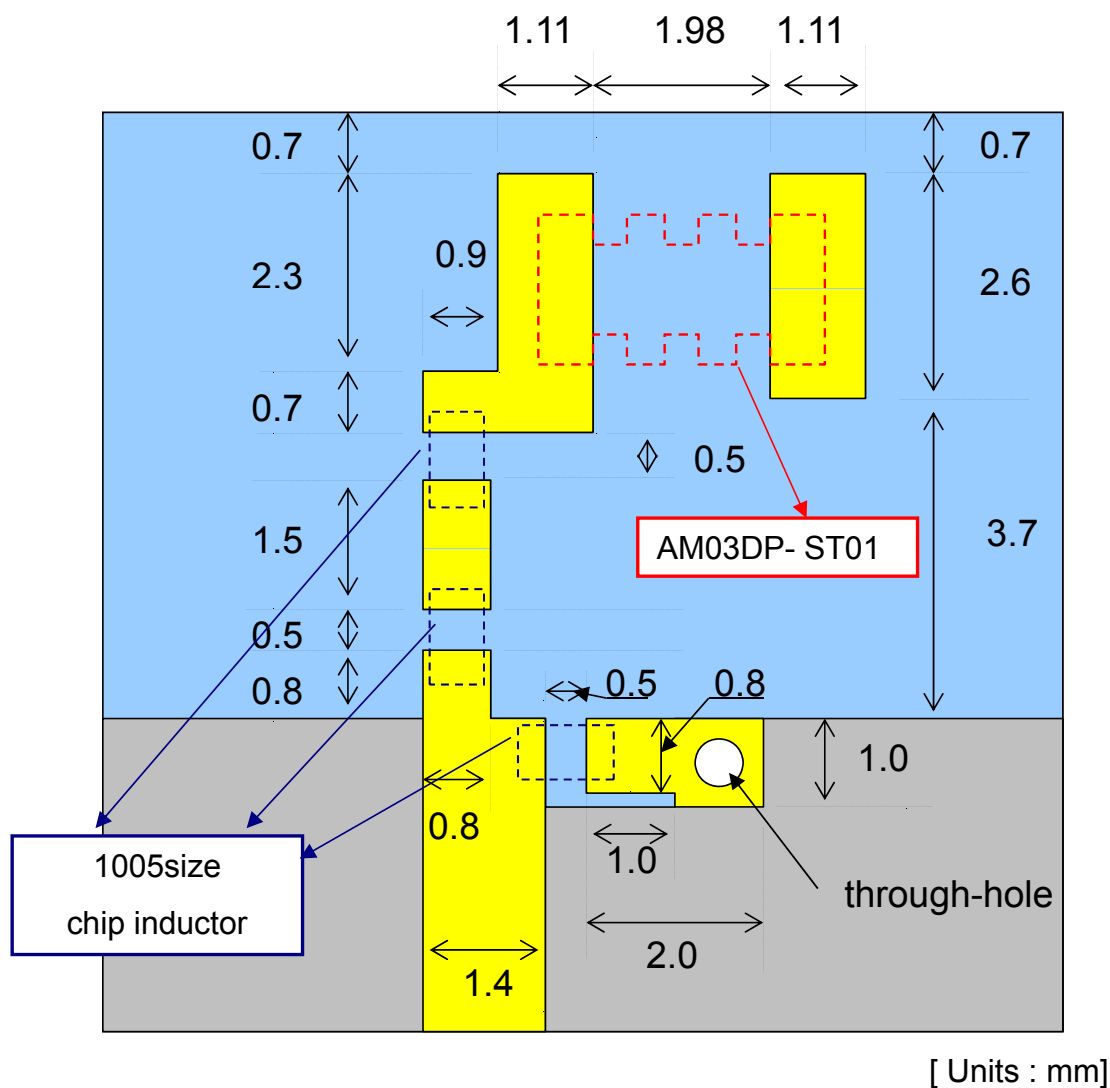
※これらの特性は代表特性であり、保証特性ではありません。

These characteristics are not guaranteed ones ,but typical ones.

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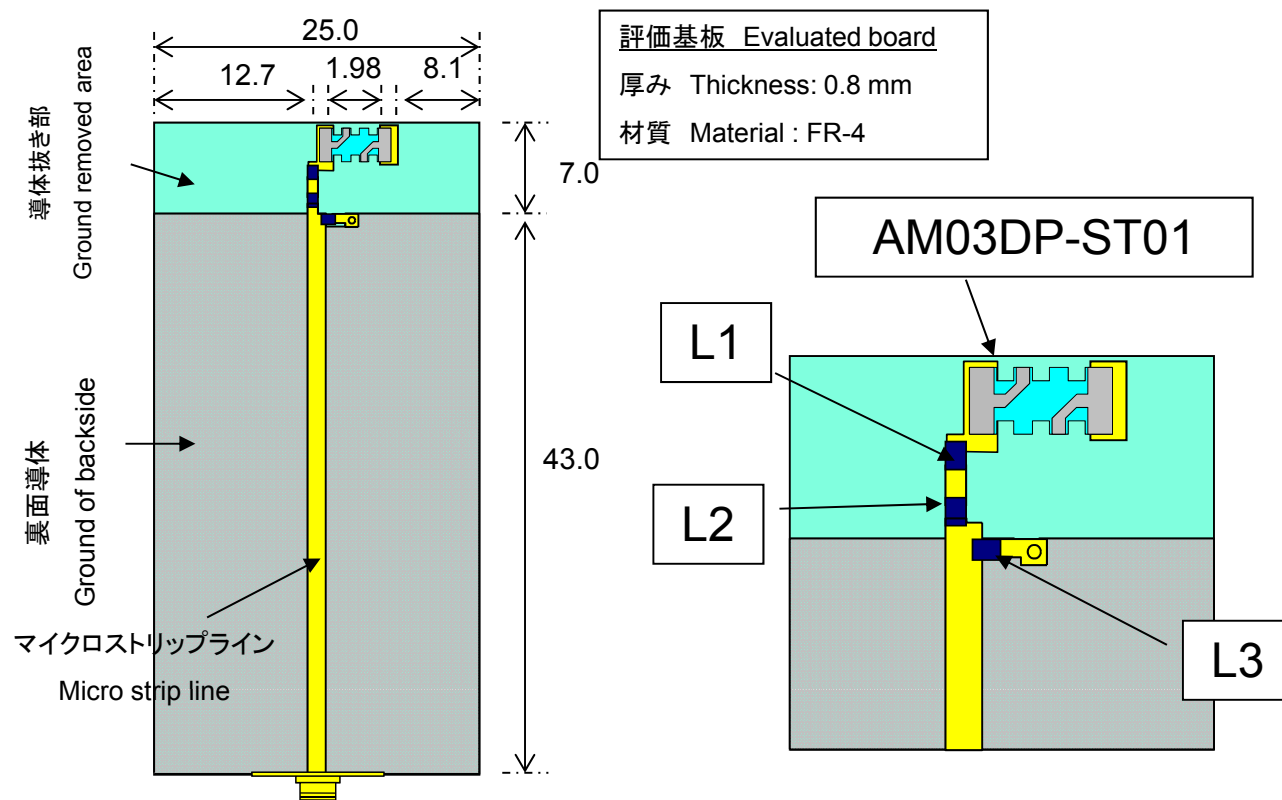
<推奨ランドパターン Recommended land pattern >

- 特許取得済 Patented-



SMD Antenna

<推奨調整回路、及び部品 Recommended matching circuit & chip components>



[Units : mm]

評価基板での最適定数

Optimal value of chip inductors Evaluated board sample board

チップインダクタ Chip inductor :
 巻き線タイプ Wire wound type

fc [MHz]	インダクタンス Inductance [nH]		
2442	L1	L2	L3
	2.9	8.7	2.4