



433M ROB ANTENNA

TECHNICAL DATA SHEET

TX433-JKD-20P

VERSION : 3.2 DATA : 2020-11-06 TEL :

028-61542639

WEBSITE : WWW.ZIISOR.COM

CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA

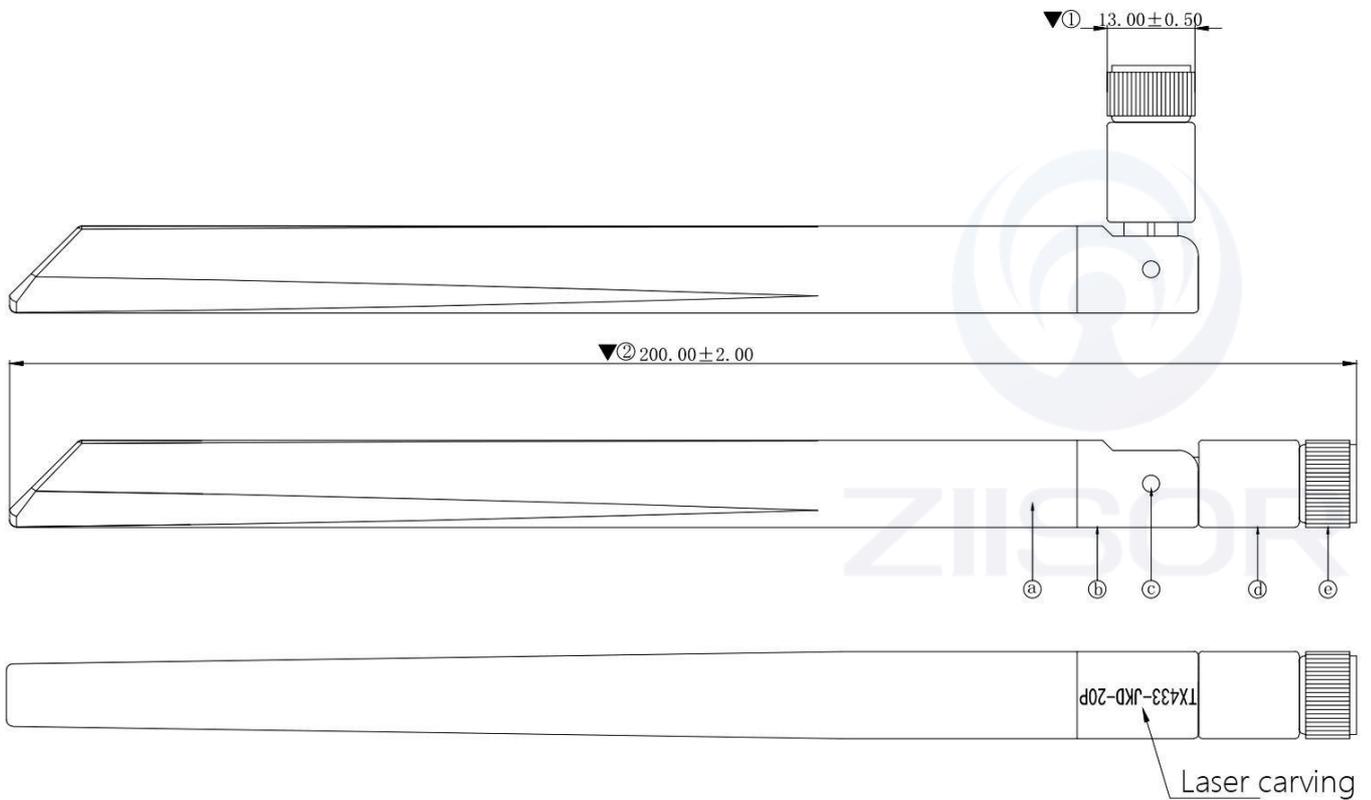


TX433-JKD-20P

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| NO. | MECHANICAL SPECIFICATIONS | VALUE | COMMENT |
|-----|------------------------------|-----------------|------------------|
| 01 | Part Number | TX433-JKD-20P | 433M Rob Antenna |
| 02 | Material | TPEE | |
| 03 | Material of Radiator | CU | Dipole |
| 04 | Connector Type | SMA-K | |
| 05 | Antenna Colour | Black | |
| 06 | Overall Length | 200mm | OD13mm |
| 07 | Cable Type | N/A | |
| 08 | Cable Length | N/A | |
| 09 | Weight | 21g | ±1g |
| NO. | ELECTRICAL SPECIFICATIONS | VALUE | COMMENT |
| 01 | Frequency | 433MHz | 424MHz~452MHz |
| 02 | Antenna Gain | 2.62dBi | |
| 03 | Radiation type | Omnidirectional | |
| 04 | Polarization | Linear | Vertical |
| 05 | Nominal Impedance | 50Ω | |
| 06 | Power Standing | 20W | |
| 07 | S.W.R. | ≤1.5 | |
| NO. | ENVIRONMENTAL SPECIFICATIONS | VALUE | COMMENT |
| 01 | Operation Temperature | -40°C ~ +85°C | |
| 02 | Storage Temperature | -40°C ~ +85°C | |
| 03 | RoHS Compliant | YES | |

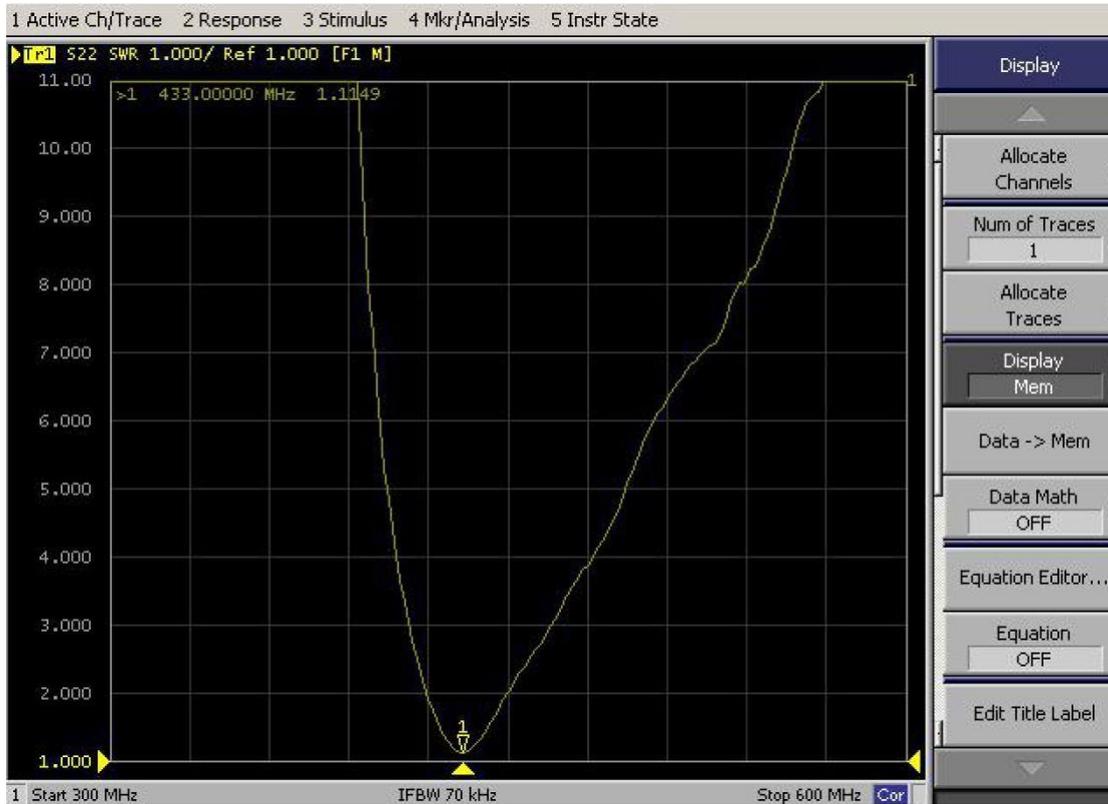
MECHANICAL DRAWING



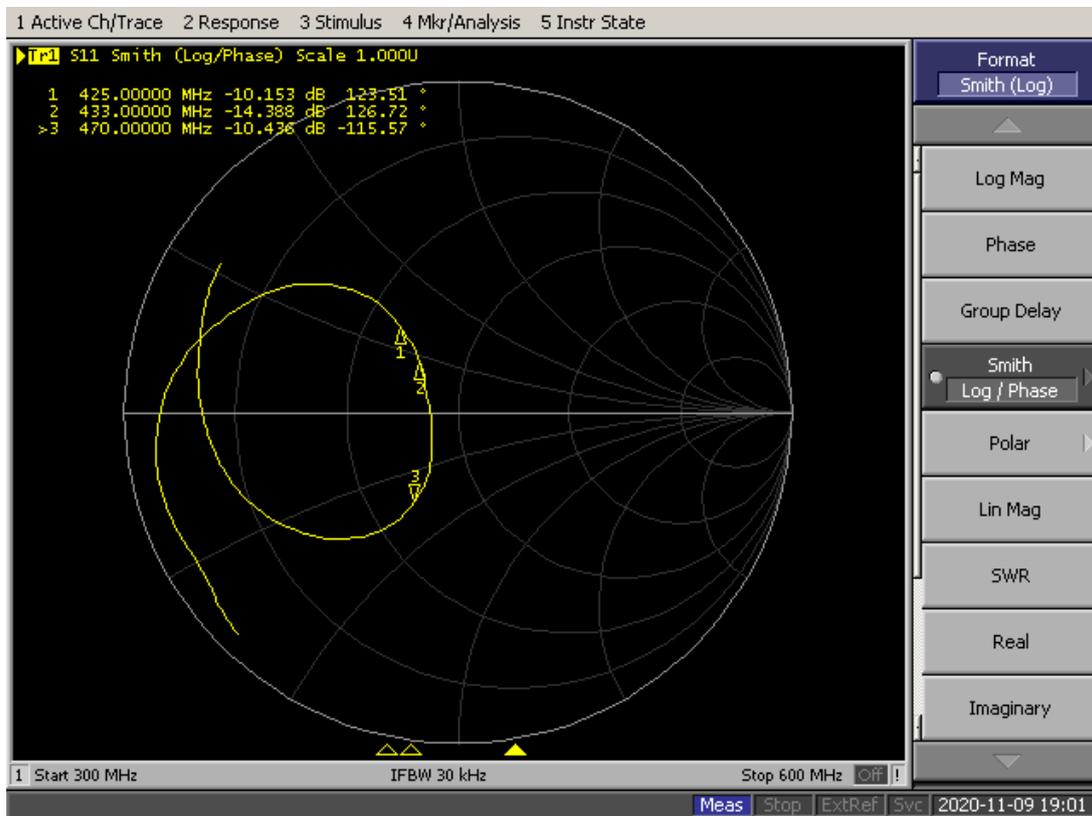
UNIT: mm

| ITEM | PART NAME | QUANTITY | MATERIAL / FINISH |
|------|--------------|----------|---------------------|
| a | Shell | 1 | TPEE Black |
| b | Antenna Base | 1 | PC+PBT Black |
| c | Rivet | 2 | POM Black |
| d | Antenna Base | 1 | PC+PBT Black |
| e | Connector | 1 | SMA-K Nickel plated |

S.W.R.



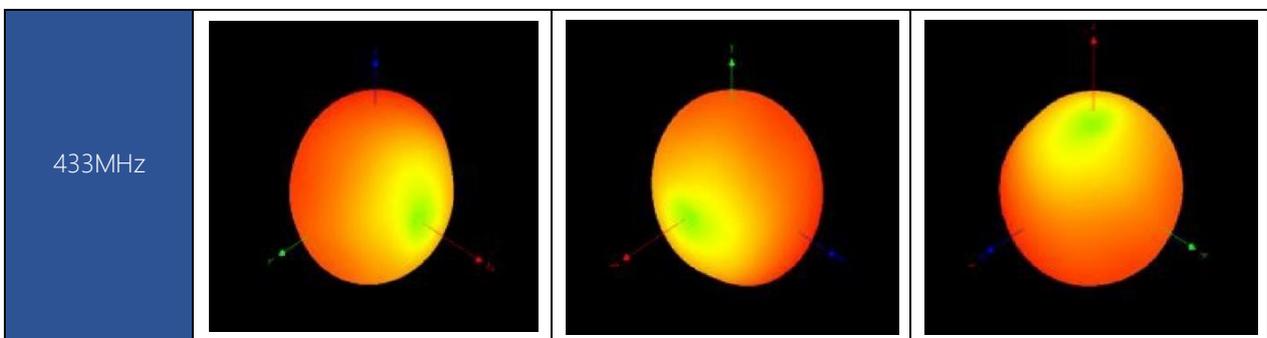
SMITH



EFFICIENCY/GAIN TEST

| No. | Frequency Hz | Efficiency % | Gain dBi |
|-----|-----------------|-----------------|-------------|
| 01 | 424M | 59.02 | 1.82 |
| 02 | 427M | 57.94 | 1.11 |
| 03 | 430M | 61.52 | 1.62 |
| 04 | 433M | 65.16 | 2.62 |
| 05 | 436M | 60.95 | 2.14 |
| 06 | 439M | 61.52 | 1.96 |
| 07 | 442M | 59.57 | 0.52 |
| 08 | 452M | 61.80 | 1.27 |

RADIATION PATTERN



DISCLAIMER

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