



ShenZhen Jeekon Electronics Co.,Ltd

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Xixiang Street, Bao'an District, Shenzhen City

SMD CERAMIC ANTENNA

Data Sheet

TS3216E245K06

For 2400-2484MHz
3.2x1.6mm [EIA1206]

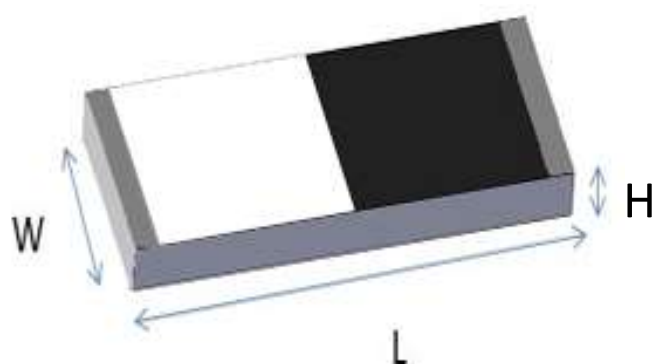
■ FEATURES

- Light weight,compact
- Wide bandwidth,lowcost
- Built-in antenna with high gain

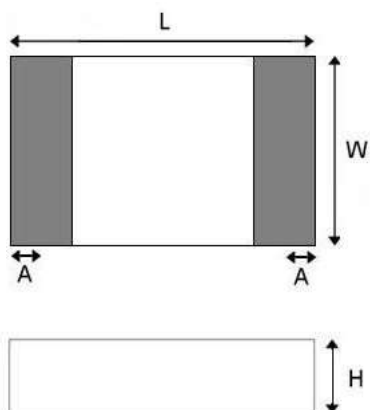
■ APPLICATIONS

- Bluetooth
- IEEE802.11g/b
- Zigbee systems,etc...

■ SHAPES AND DIMENSIONS Dimensions in mm



TS3216E245K06



L	W	A	H
3.10±0.10	1.55±0.10	0.40±0.20	0.50±0.10

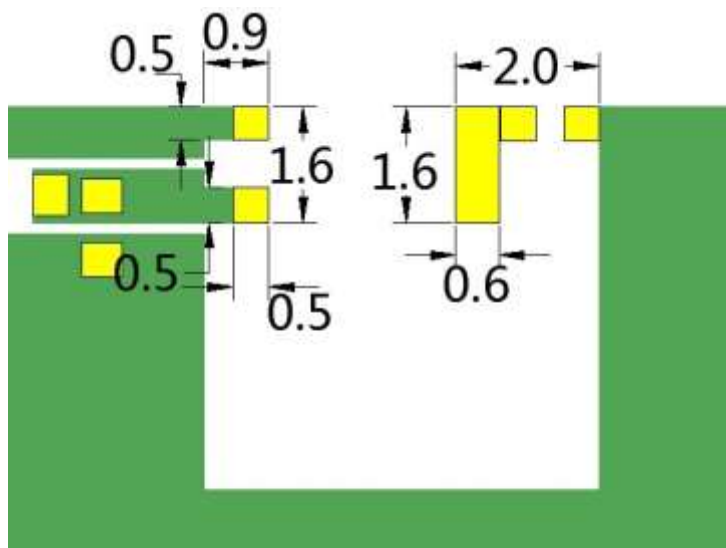
ELECTRIC SPECIFICATIONS

Product type	TS3216E245K06
Center Frequency Range	2450MHZ
Input Impedance	50 Ω

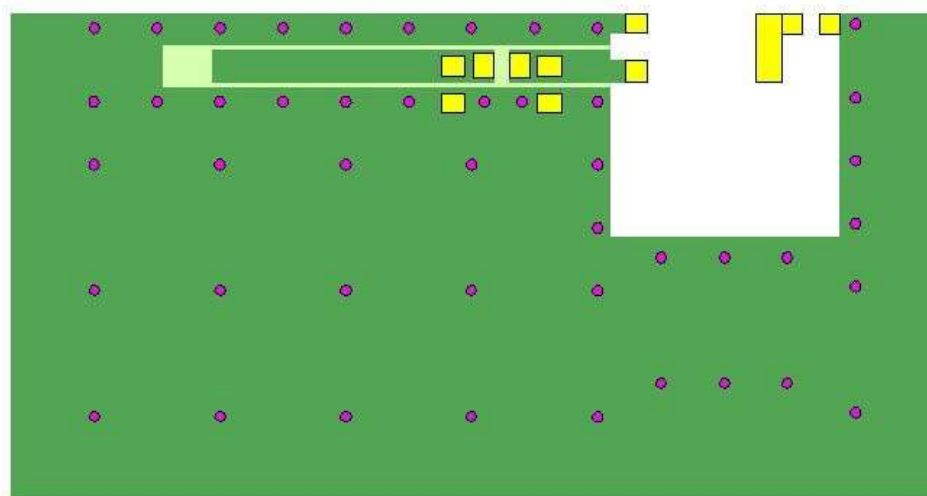
PART NUMBERING SYSTEM

TS - 3216 - E - 2450 - K - 06

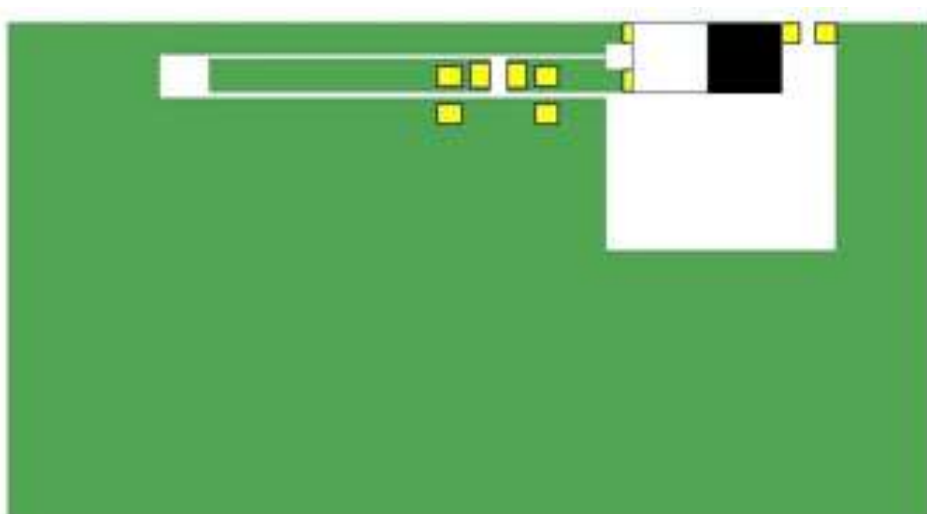
Brand Dimension Material Frequency Feeding mode Type



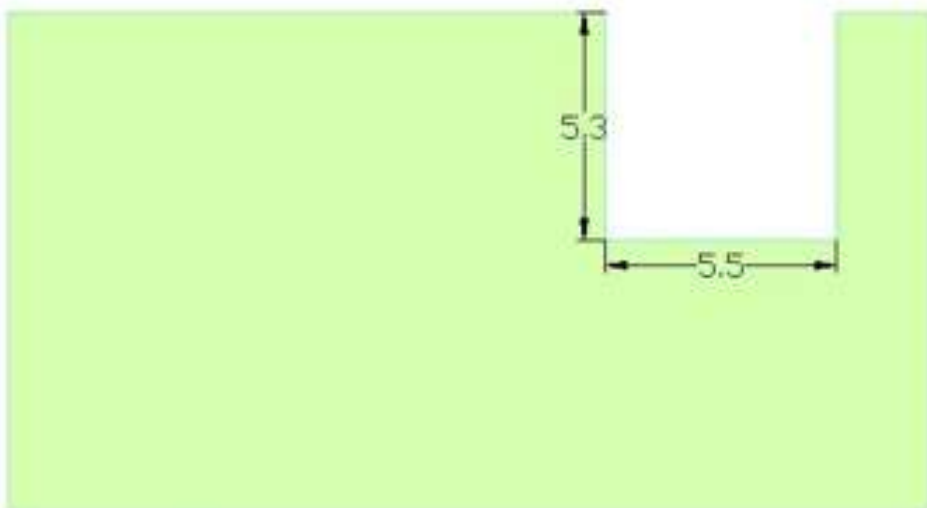
■ EVALUATION BOARD



- PAD
- Bottom Copper
- TOP Copper
- VIA



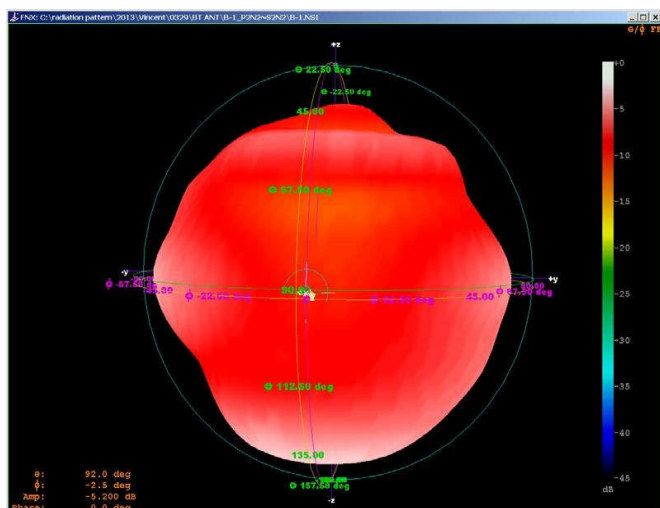
- Antenna
- PAD
- Bottom Copper
- TOP Copper



■ RADIATION PATTERNS

□ 2.4GHz BAND

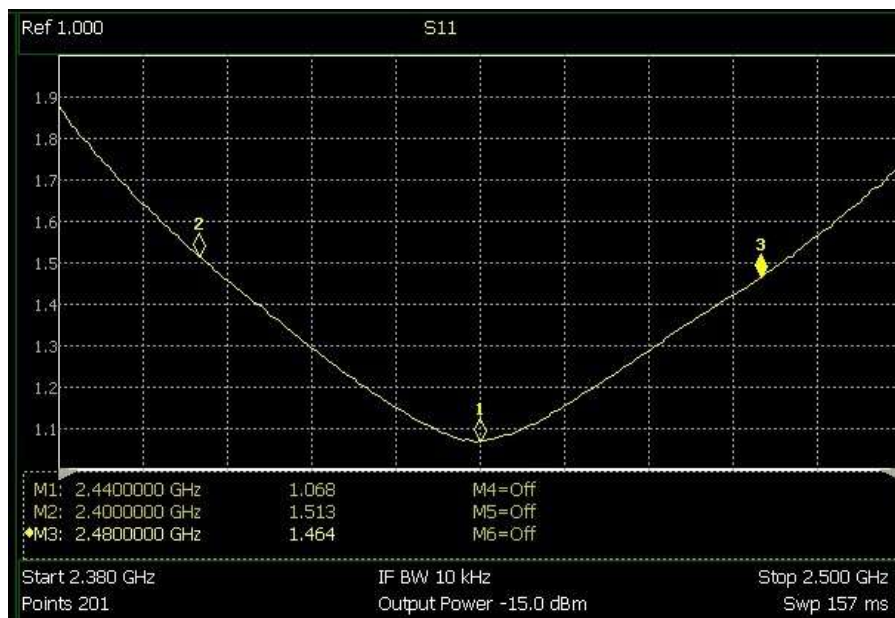
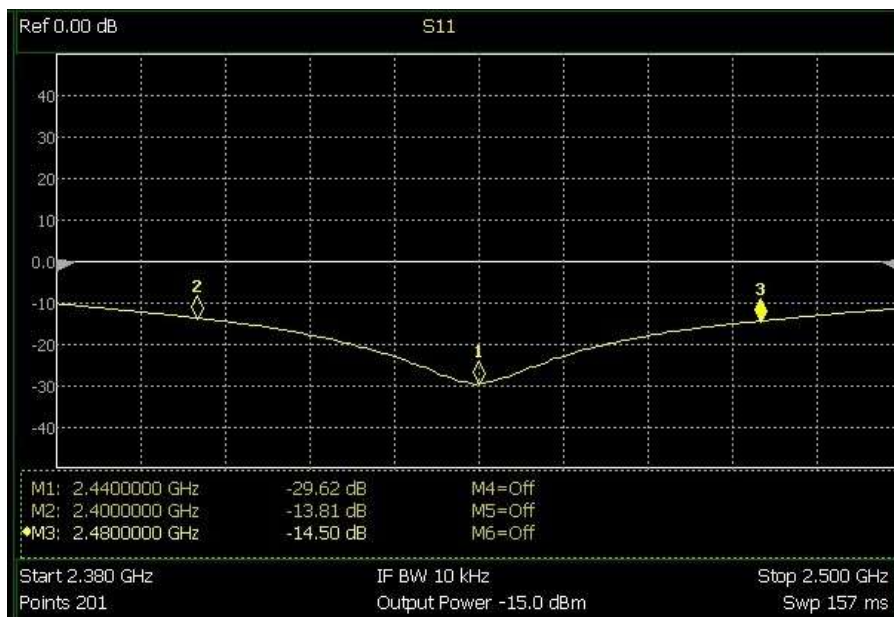
◎ 3D Gain Pattern (2440 MHz)



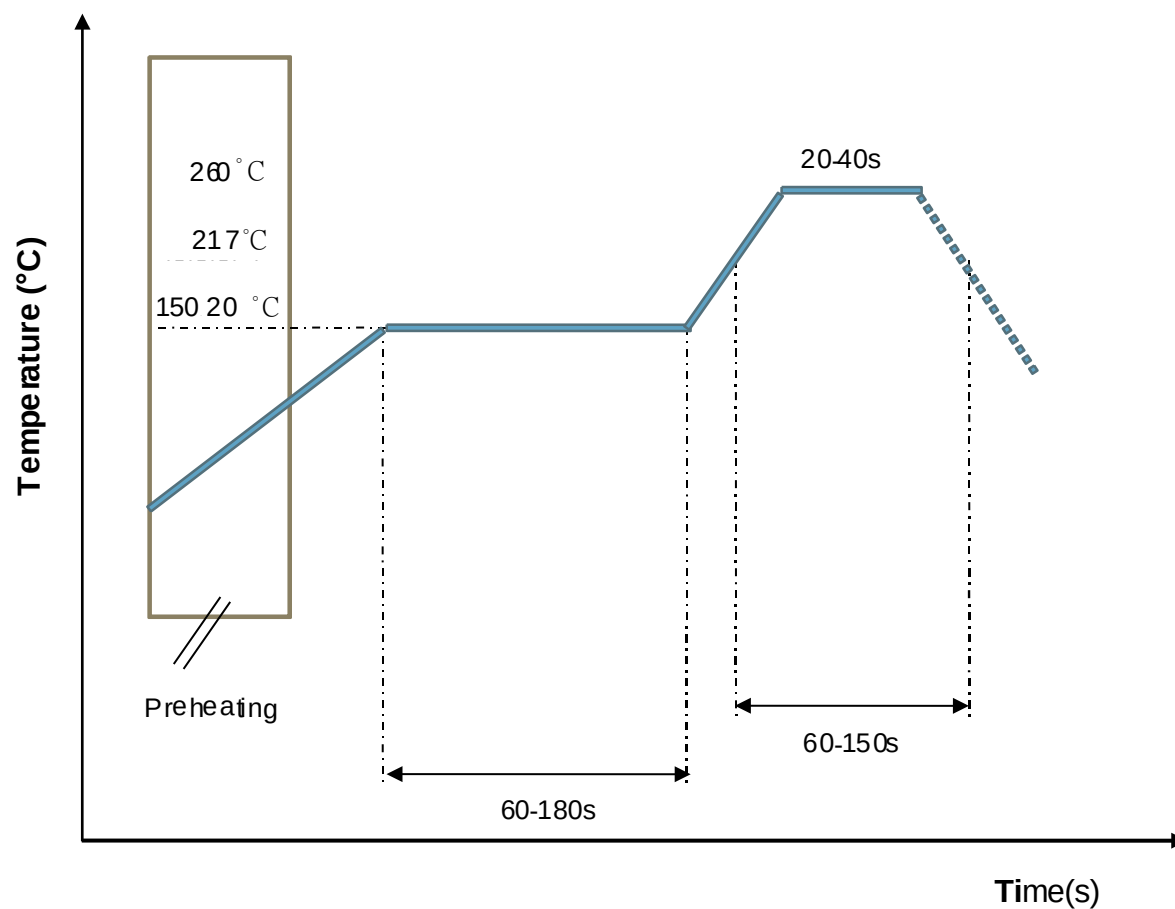
Freq(MHz)	Eff(%)	Gain(dBi)
2400	65.03	-0.42
2410	70.29	-0.37
2420	71.62	-0.25
2430	72.59	-0.06
2440	74.81	0
2450	72.33	-0.13
2460	71.03	-0.28
2470	63.68	-0.56
2480	61.42	-0.79

FREQUENCY CHARACTERISTICS

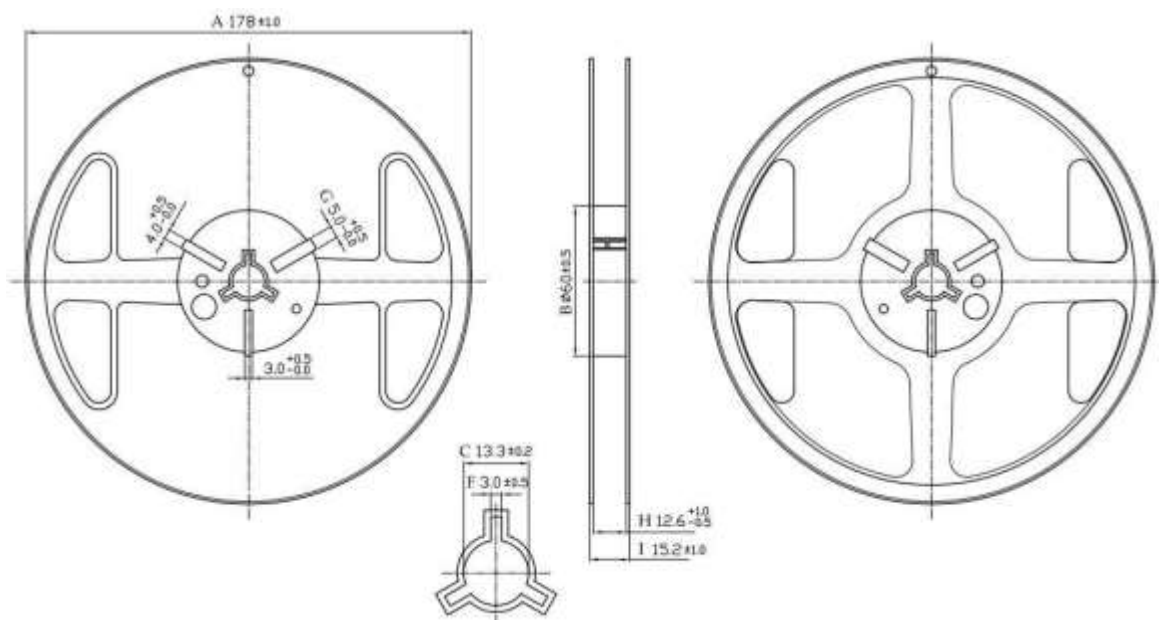
EFFICIENCY AND VSWR



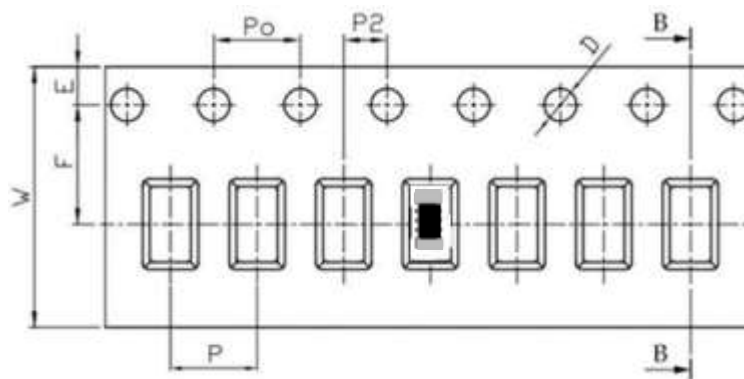
■ RECOMMENDED REFLOW PROFILE



REEL DIMENSIONS



TAPE DIMENSIONS



Feature	Specifications	Tolerances
W	8.00	±0.30
P	4.00	±0.10
E	1.75	±0.10
F	3.50	±0.10
P2	2.00	±0.10
D	1.50	+0.10 -0.00
Po	4.00	±0.10
10Po	40.00	±0.20

Typing Quantity: 5000 pieces per 7" reel

Order Information

Device	Package	Net Weight	Carrier	Quantity	HSF Status
TS3216E245K06	3216	0.0089g	Tape&Reel	5000pcs	RoHS compliant

Revision history

Date	Revision	Description of changes
2018-11-5	1.0	First Version
2022- 8-5	1.1	Update the package information

The contents of this data sheet are subject to change without notice.
Please confirm the specifications and delivery conditions when placing your order.

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