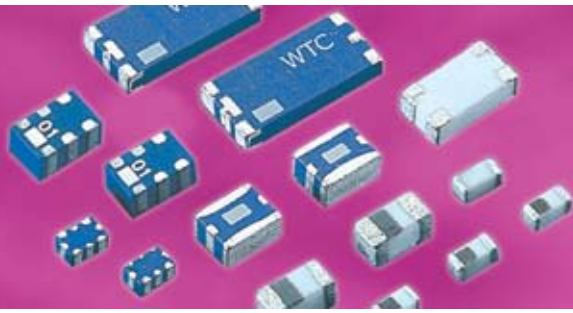




Walsin Technology Corporation



## RF Devices and High Frequency Inductors

# 2008



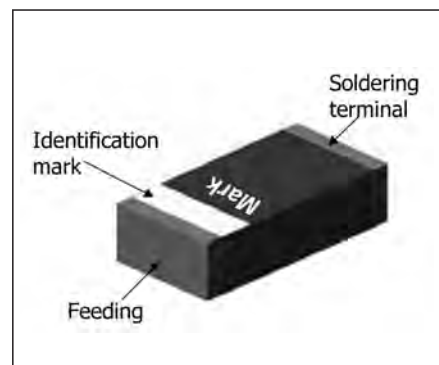
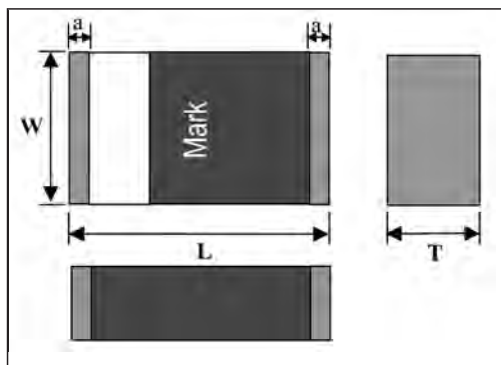
## ■ 2.4 GHz Bluetooth/WLAN-Chip Antenna-RFANT3216120A□T

### ■ How to Order

| RF                         | ANT                                  | 321612                                                                                                             | 0                                                  | A                                        | □                                   | T                                                                         |
|----------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------------------------------------------|
| <b>Walsin</b><br>RF Device | <b>Product code</b><br>ANT : Antenna | <b>Dimension code</b><br>Per 2 digits of Length, Width, Thickness :<br>e.g. :<br>h32,<br>Width 16,<br>Thickness 12 | <b>Unit of dimension</b><br>0: 0.1 mm<br>1: 1.0 mm | <b>Application</b><br>A: 2.4GHz ISM Band | <b>Specification</b><br>Design Code | <b>Packing</b><br>T=7" Reeled<br>G=10" Reeled<br>B=Bulk<br>X: SFC product |

### ■ Dimensions

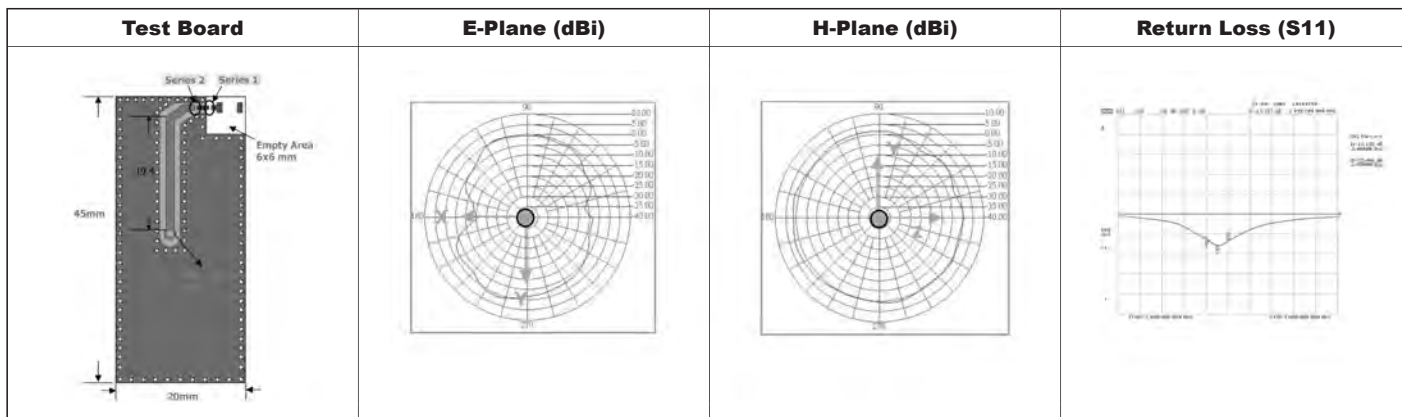
| Symbol | Dimension      |
|--------|----------------|
| L      | 3.20 ± 0.20 mm |
| W      | 1.60 ± 0.10 mm |
| T      | 1.20 ± 0.10 mm |
| a      | 0.25 ± 0.15 mm |



### ■ RFANT3216120A□T Series

| Product code             | RFANT3216120A1T | RFANT3216120A3T | RFANT3216120A5T |
|--------------------------|-----------------|-----------------|-----------------|
| Working Frequency Range  | 2450 ± 50 MHz   | 2450 ± 50 MHz   | 2450 ± 50 MHz   |
| Fc (GHz)                 | 2.5             | 2.7             | 2.9             |
| Gain (dBi)               | 2 (Typical)     | 2 (Typical)     | 2 (Typical)     |
| Matching component value | Series 1        | 2.7 nH          | 6.8 nH          |
|                          | Series 2        | -               | -               |

### ■ Typical Electrical Characteristics(RFANT3216120A5T):



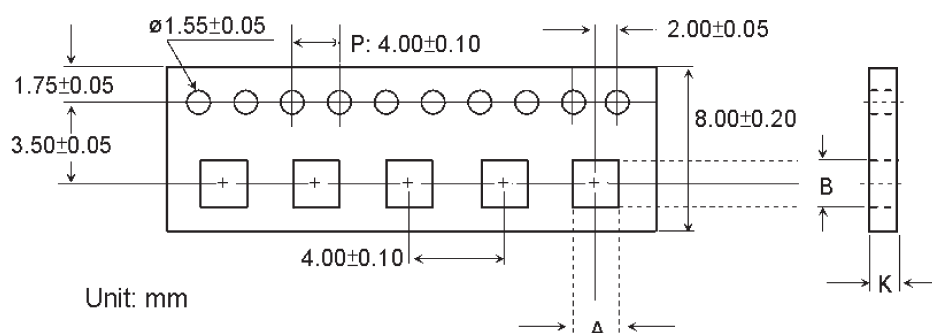
## ■ Multilayer Chip Varistor (MLV) - VZ Series & VH Series

## ■ Taping Specifications

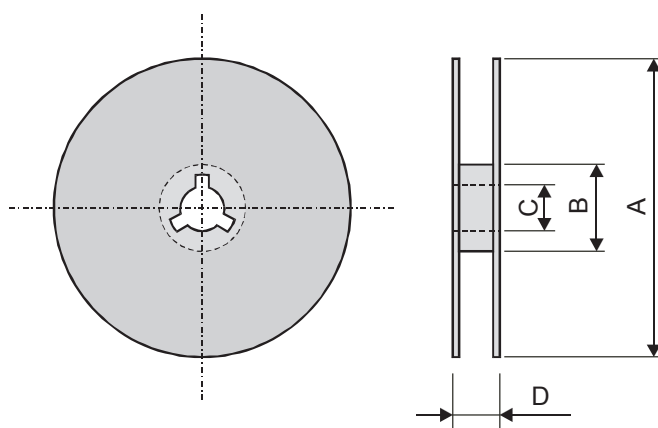
### A. Paper tape size specification:

Unit: mm

| Label | 0402        | 0603        | 0805        | 1206        |
|-------|-------------|-------------|-------------|-------------|
| A     | 0.62 ± 0.03 | 0.95 ± 0.05 | 1.45 ± 0.05 | 1.88 ± 0.05 |
| B     | 1.12 ± 0.03 | 1.80 ± 0.05 | 2.25 ± 0.05 | 3.50 ± 0.05 |
| K     | 0.60 ± 0.03 | 0.87 ± 0.05 | 0.87 ± 0.05 | 1.24 ± 0.05 |



### B. Reel size specification



| Symbol    | A            | B           | C          | D          |
|-----------|--------------|-------------|------------|------------|
| Dimension | Ø178.0 ± 2.0 | Ø60.0 ± 1.0 | 13.0 ± 0.2 | 10.0 ± 1.5 |

### C. Packaging on tape & reel:

| Size            | 0402    | 0603   | 0805   | 1206   |
|-----------------|---------|--------|--------|--------|
| Quantity / reel | 10K pcs | 4K pcs | 3K pcs | 3K pcs |



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