










RF Filter/Balun Series




Feature :

- Higher Reliability
- SMT Process
- Meet RoHS Spec
- Small and Low Profile
- Lower Insertion Loss and Higher Attenuation

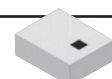
BT / WIFI / Zigbee / ISM2.4GHz / Beacon

| Function | Part Number | Dimensions(mm) | Insertion Loss (dB) | Impedance (Ohm) | |
|------------------|----------------|--------------------|---------------------|-----------------|---|
| Balun | WBA1608B245T02 | 1.60 x 0.80 x 0.60 | 1.30 (Max) | 50 |  |
| Balance Filter | WBB2012B245T01 | 2.00 x 1.20 x 0.90 | 3.80 (Max) | CSR BC04,05 |  |
| Balance Filter | WBB2012B245T11 | 2.00 x 1.20 x 0.90 | 2.60 (Max) | MTK MT5931 |  |
| Band Pass Filter | WBF1608B245T02 | 1.60 x 0.80 x 0.60 | 1.80 (Max) | 50 |  |
| Band Pass Filter | WBF1608B245T05 | 1.60 x 0.80 x 0.60 | 2.80 (Max) | 50 |  |
| Band Pass Filter | WBF2012B245P06 | 2.00 x 1.20 x 0.80 | 2.50 (Max) | 50 |  |
| Band Pass Filter | WBF2012B245T05 | 2.00 x 1.20 x 0.95 | 2.80 (Max) | 50 |  |
| Low Pass Filter | WLF1608B245T01 | 1.60 x 0.80 x 0.60 | 0.70 (Max) | 50 |  |
| Low Pass Filter | WLF2012B245T01 | 2.00 x 1.20 x 0.95 | 0.50 (Max) | 50 |  |

WIFI / 802.11 b/n/g/ac (Dual Band , 2.4G+5G)

| Function | Part Number | Dimensions(mm) | Insertion Loss (dB) | Impedance (Ohm) | |
|----------|----------------|--------------------|---|-----------------|---|
| Diplexer | WDP1608BD25T01 | 1.60 x 0.80 x 0.60 | L Band :1.00 (Max) H Band :1.60 (Max) | 50 |  |
| Diplexer | WDP1608BD25T02 | 1.60 x 0.80 x 0.60 | L Band :1.00 (Max) H Band :1.60 (Max) | 50 |  |
| Diplexer | WDP2012BD25T03 | 2.00 x 1.20 x 0.80 | L Band : 2.40 (Max) H Band :1.20 (Max) | 50 |  |

BT/WIFI + GPS (Bual Band , 2.4G+1.575G)

| Function | Part Number | Dimensions(mm) | Insertion Loss (dB) | Impedance (Ohm) | |
|----------|----------------|--------------------|---|-----------------|---|
| Diplexer | WDP2520BD12P01 | 2.50 x 2.00 x 0.87 | L Band : 0.70 (Max) H Band :3.50 (Max) | 50 |  |

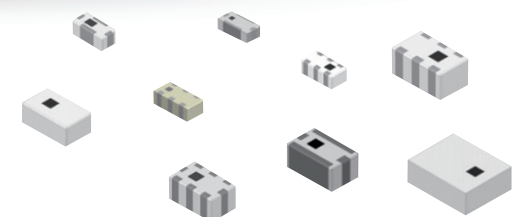
ONEWAVE TECHNOLOGY CO., LTD.
萬誠科技股份有限公司



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萬誠科技股份有限公司

SMD Chip Antenna & RF Filter



授權經銷商

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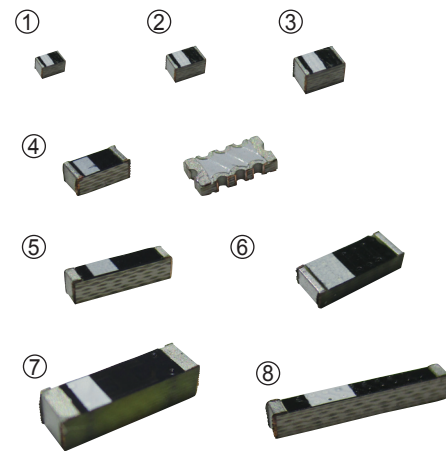
Chip Antenna – Monopole Type

Feature :

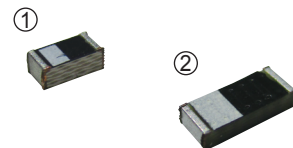
- Higher Reliability
- SMT Process
- Meet RoHS Spec
- Thick/Thin Film and Newly Patent Process
- Higher Gain and Higher Radiation Efficiency

BT / WIFI / Zigbee / ISM2.4GHz / Beacon

| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|-------------------|--------------------|----------------|------------|
| 1. WAN1005F245M0X | 1.00 x 0.50 x 0.50 | 100(Min),6.5dB | 1.00 |
| 2. WAN1608F245M0X | 1.60 x 0.80 x 0.50 | 100(Min),6.5dB | 1.15 |
| 3. WAN2012F245M0X | 2.00 x 1.20 x 1.25 | 100(Min),6.5dB | 1.39 |
| 4. WAN3216F245M0X | 3.20 x 1.60 x 1.25 | 100(Min),6.5dB | 2.41 |
| 5. WAN5010F245M0X | 5.00 x 1.00 x 1.25 | 100(Min), 10dB | 3.09 |
| 6. WAN5020D245M0X | 5.00 x 2.00 x 1.25 | 100(Min), 10dB | 3.19 |
| 7. WAN7020L245M0X | 7.00 x 2.00 x 1.95 | 100(Min), 10dB | 3.64 |
| 8. WAN8010F245M0X | 8.00 x 1.00 x 1.25 | 100(Min), 10dB | 3.45 |



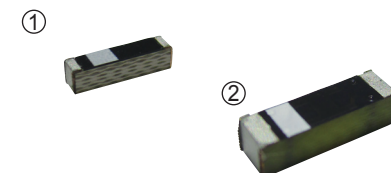
802.11 ac / ISM 5GHz



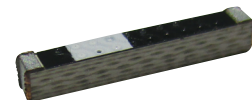
| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|-------------------|--------------------|----------------|------------|
| 1. WAN3216F500M0X | 3.20 x 1.60 x 1.25 | 700(Min),6.5dB | 2.41 |
| 2. WAN5220F500M0X | 5.20 x 2.00 x 1.25 | 100(Min), 10dB | 4.63 |

WIFI / 802.11 b/n/g/ac (Dual Band , 2.4G+5G)

| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|-------------------|--------------------|----------------------------------|--------------|
| 1. WAN5010FD25N0X | 5.00 x 1.00 x 1.25 | 100(Min),10 dB 800(Min),6.5dB | 3.98 4.63 |
| 2. WAN7020LD25N0X | 7.00 x 2.00 x 1.95 | 170(Min),10 dB 800(Min),6.5dB | 4.00 5.72 |



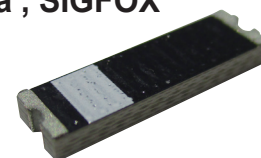
GPS / Glonass



| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|----------------|--------------------|----------------|------------|
| WAN8010F157M0X | 8.00 x 1.00 x 1.25 | 28(Min),10 dB | 0.55 |

Others : 315MHz/433MHz/868MHz/915MHz , SUB-1G, NB-IoT , LoRa , SIGFOX

| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|----------------|--------------------|----------------|------------|
| WAN1003F039M0X | 10.0 x 3.00 x 1.23 | 25(Min), 10dB | 1.32 |



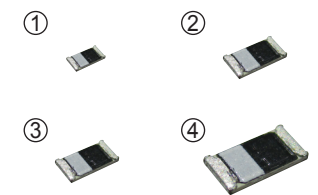
Chip Antenna – PIFA Loop Type

Feature :

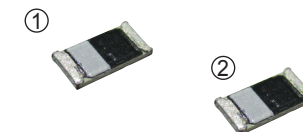
- Higher Reliability
- SMT Process
- Meet RoHS Spec
- Thick/Thin Film and Newly Patent Process
- Higher Gain and Higher Radiation Efficiency

BT / WIFI / Zigbee / ISM2.4GHz / Beacon

| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|-------------------|--------------------|----------------|------------|
| 1. WAN1005F245C0X | 1.00 x 0.50 x 0.45 | 100(Min),6.5dB | 1.81 |
| 2. WAN1608F245C0X | 1.60 x 0.80 x 0.45 | 100(Min),6.5dB | 1.96 |
| 3. WAN2012F245C0X | 2.00 x 1.20 x 0.45 | 85(Min),6.5dB | 2.72 |
| 4. WAN3216F245C0X | 3.20 x 1.60 x 0.45 | 120(Min),6.5dB | 1.05 |



BT/WIFI + GPS (Dual Band , 2.4G+1.575G)



| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|-------------------|--------------------|----------------------------------|--------------|
| 1. WAN3216F245E0X | 3.20 x 1.60 x 0.45 | 15 (Min),10 dB 100(Min),6.5dB | 1.40 0.06 |
| 2. WAN3216F245DAX | 3.20 x 1.60 x 0.45 | 15 (Min),10 dB 100(Min),10 dB | 1.78 2.33 |

WIFI / 802.11 b/n/g/ac (Dual Band , 2.4G+5G)

| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|----------------|--------------------|----------------------------------|--------------|
| WAN3216FD25D04 | 3.20 x 1.60 x 0.45 | 100(Min),6.5dB 700(Min),10 dB | 2.73 4.03 |



GPS / Glonass

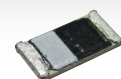


| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|----------------|--------------------|----------------|------------|
| WAN3216F157C0X | 3.20 x 1.60 x 0.45 | 70(Min),6.5dB | 1.75 |

Chip Antenna Loop Type

BT / WIFI / Zigbee / ISM2.4GHz / Beacon

| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|----------------|--------------------|----------------|------------|
| WAN3216F245L0X | 3.20 x 1.60 x 0.45 | 120(Min),6.5dB | 1.15 |



Others : 315MHz/433MHz/868MHz/915MHz , SUB-1G, NB-IoT , LoRa , SIGFOX



| Part Number | Dimensions(mm) | Bandwidth(MHz) | Gain (dBi) |
|----------------|--------------------|----------------|------------|
| WAN3216F039L0X | 3.20 x 1.60 x 0.45 | 25(Min), 10dB | 1.32 |