

## FEATURES:

- Metal case with high reliability
- Sine/square wave output
- Wide frequency range
- TCVCXO available



## SPECIFICATIONS:

| Product Code | Freq. Range (kHz) | Operating Temp.(°C) | Freq. Stability ( $\times 10^{-6}$ ) | Input Voltage (V) | Power Consumption (mw) | Output Wave Form | Output Voltage (V)rms | Nominal Load ( $\Omega$ ) |
|--------------|-------------------|---------------------|--------------------------------------|-------------------|------------------------|------------------|-----------------------|---------------------------|
| ZWB-1        | 850~1400          | -40~+70             | $\pm 5$                              | 12                | $\leq 100$             | Sine wave        | 0.5                   | 1K                        |
| ZWB-1A       | 1000,1024         |                     | $\pm 3$                              |                   |                        |                  |                       |                           |
| ZWB-1B       |                   |                     | $\pm 2$                              |                   |                        |                  |                       |                           |
| ZWB-2        | 850~1400          | -20~+60             | $\pm 5$                              |                   |                        |                  |                       |                           |
| ZWB-2A       | 10,001,024        |                     | $\pm 3$                              |                   |                        |                  |                       |                           |
| ZWB-2B       |                   |                     | $\pm 2$                              |                   |                        |                  |                       |                           |
| ZWB-3        | 850~1400          | 0~+50               | $\pm 5$                              |                   |                        |                  |                       |                           |
| ZWB-3A       | 10,001,024        |                     | $\pm 3$                              |                   |                        |                  |                       |                           |
| ZWB-3B       |                   |                     | $\pm 2$                              |                   |                        |                  |                       |                           |
| ZWB-5        | 1000~25000        | -10~+55             | $\pm 5$                              |                   |                        |                  |                       |                           |
| ZWB-5A       |                   |                     | $\pm 3$                              |                   |                        |                  |                       |                           |
| ZWB-5B       |                   |                     | $\pm 2$                              |                   |                        |                  |                       |                           |
| ZWB-6        | 1000~25000        | -40~+70             | $\pm 5$                              |                   |                        |                  |                       |                           |
| ZWB-6A       |                   |                     | $\pm 3$                              |                   |                        |                  |                       |                           |
| ZWB-6B       |                   |                     | $\pm 2$                              |                   |                        |                  |                       |                           |
| ZWB-6C       | 5000              | -40~+70             | $\pm 1$                              |                   |                        |                  |                       |                           |
| ZWB-7        | 1000~25000        | -55~+85             | $\pm 5$                              |                   |                        |                  |                       |                           |
| ZWB-7A       |                   |                     | $\pm 3$                              |                   |                        |                  |                       |                           |
| ZWB-7B       |                   |                     | $\pm 2$                              |                   |                        |                  |                       |                           |
| ZWB-14A      |                   | 0~+60               | $\pm 0.5$                            |                   |                        |                  |                       |                           |
| ZWB-14B      |                   |                     | $\pm 1$                              |                   |                        |                  |                       |                           |
| ZWB-14C      |                   | -20~+60             | $\pm 0.5$                            |                   |                        |                  |                       |                           |
| ZWB-14D      |                   | -40~60              | $\pm 1$                              |                   |                        |                  |                       |                           |
| ZWB-14E      |                   | -40~+70             | $\pm 1$                              |                   |                        |                  |                       |                           |
| ZWB-14F      |                   |                     | $\pm 1.5$                            |                   |                        |                  |                       |                           |
| ZWB-18A      | 10000~25000       | -10~+55             | $\pm 5$                              | 9,12              | $\leq 100$             | Sine wave        | 0.5                   | 1K                        |
| ZWB-18B      |                   | -25~+55             |                                      |                   |                        |                  |                       |                           |



# PTCXO

|          |             |         |                                         |         |      |             |                                                    |            |
|----------|-------------|---------|-----------------------------------------|---------|------|-------------|----------------------------------------------------|------------|
| ZWC- 1A  | 10000~20000 | -25~+55 | ±3                                      | 5       | ≤60  | Sine wave   | 1(P-P)                                             | CMOS       |
| ZWC- 1B  |             |         | ±5                                      |         |      |             |                                                    |            |
| ZWC-4    | 1000~10000  | -40~+70 | ±1                                      | 12      | ≤100 | Sine wave   | "0"≤0.5<br>"1"≥8                                   | 100K//10pf |
| ZWC- 6A  | 10000~25000 | -55~+85 | ±5                                      |         |      |             |                                                    |            |
| ZWB-6B   |             |         | ±2                                      |         | ≤120 | Sine wave   | 0.5                                                | 1K         |
| ZWB-6C   |             | -40~+70 | ±2                                      |         |      |             |                                                    |            |
| ZWB-6D   |             | -20~+60 | ±1                                      |         |      |             |                                                    |            |
| ZWB-6E   |             | -10~+55 | ±0.5                                    |         |      |             |                                                    |            |
| ZWC- 7A  | 3000~25000  | -40~+70 | ±2                                      |         |      |             |                                                    |            |
| ZWB-7B   |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-7C   |             | -20~+60 | ±2                                      |         |      |             |                                                    |            |
| ZWB-7D   |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-7E   |             | -10~+55 | ±0.5                                    |         |      |             |                                                    |            |
| ZWC- 8A  | 1000~32000  | -40~+70 | ±2                                      |         |      | Square wave |                                                    | TTL/CMOS   |
| ZWB-8B   |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-8C   |             | -20~+60 | ±2                                      |         |      |             |                                                    |            |
| ZWB-8D   |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-8E   |             | -10~+55 | ±0.5                                    |         |      |             |                                                    |            |
| ZWC-9A   | 25000~75000 | -40~+70 | ±2                                      | 12      | ≤150 | Sine wave   | 0.5                                                | 50         |
| ZWB-9B   |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-9C   |             | -20~+60 | ±2                                      |         |      |             |                                                    |            |
| ZWB-9D   |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-9E   |             | -10~+55 | ±0.5                                    |         |      |             |                                                    |            |
| ZWC- 10A |             | -40~+70 | ±2                                      |         |      |             |                                                    |            |
| ZWB-10B  |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-10C  |             | -20~+60 | ±2                                      |         |      |             |                                                    |            |
| ZWB-10D  |             |         | ±1                                      |         |      |             |                                                    |            |
| ZWB-10E  |             | -10~+55 | ±0.5                                    |         |      |             |                                                    |            |
| ZWC- 15A | 9600~20000  | -10~+55 | ±2.5                                    | 5       | ≤10  |             |                                                    |            |
| ZWC- 15B |             | -30~+75 | ±2.5                                    |         |      |             |                                                    |            |
| ZC503    | 1MHz~5MHz   | -55~+85 | ±2<br>(-40℃~+85℃)<br>±5<br>(-40℃~ -55℃) | ±12±0.5 | 200  | Sine wave   | Logic"1"level<br>: 4.5V<br>Logic"0"level<br>: 0.5V | 100K//15pf |

## ORDERING INFORMATION:

Please order by product code, if standard. **I.e.: ZC503**

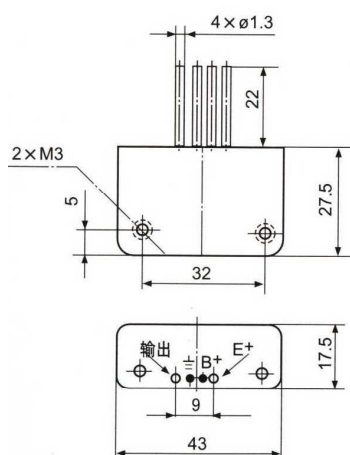
### NOTE:

Not all the specifications are mentioned, for other requirement, please contact Chenjing Sales Dept.

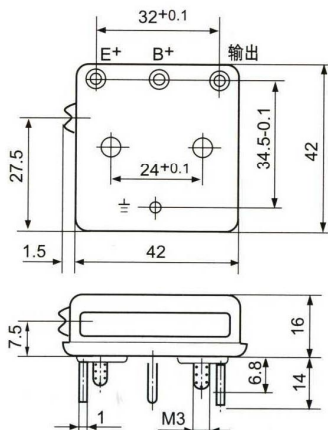
## DIMENSIONS:

| P.C.   | PICTURE | P.C.     | PICTURE | P.C.    | PICTURE | P.C.     | PICTURE | P.C.     | PICTURE |
|--------|---------|----------|---------|---------|---------|----------|---------|----------|---------|
| ZWB-1  | P.1     | ZWB-6B   | P.2     | ZWC- 1B | P.5     | ZWB-8C   | P.6     | ZWC- 15B | P.8     |
| ZWB-1A |         | ZWB-6C   |         | ZWC-4   | P.6     | ZWB-8D   |         |          |         |
| ZWB-1B |         | ZWB-7    |         | ZWC- 6A | P.7     | ZWB-8E   |         |          |         |
| ZWB-2  |         | ZWB-7A   |         | ZWB-6B  |         | ZWC-9A   |         |          |         |
| ZWB-2A |         | ZWB-7B   |         | ZWB-6C  |         | ZWB-9B   |         |          |         |
| ZWB-2B |         | ZWB- 14A | P.3     | ZWB-6D  |         | ZWB-9C   |         |          |         |
| ZWB-3  |         | ZWB-14B  |         | ZWB-6E  |         | ZWB-9D   |         |          |         |
| ZWB-3A |         | ZWB-14C  |         | ZWC- 7A | P.5     | ZWB-9E   |         |          |         |
| ZWB-3B |         | ZWB-14D  |         | ZWB-7B  |         | ZWC- 10A | P.2     | ZC503    | P.9     |
| ZWB-5  | P.2     | ZWB-14E  | P.4     | ZWB-7C  |         | ZWB-10B  |         |          |         |
| ZWB-5A |         | ZWB-14F  |         | ZWB-7D  |         | ZWB-10C  |         |          |         |
| ZWB-5B |         | ZWB- 18A |         | ZWB-7E  |         | ZWB-10D  |         |          |         |
| ZWB-6  |         | ZWB-18B  | P.5     | ZWC- 8A | P.6     | ZWB-10E  |         |          |         |
| ZWB-6A |         | ZWC- 1A  |         | ZWB-8B  |         | ZWC- 15A | P.8     |          |         |

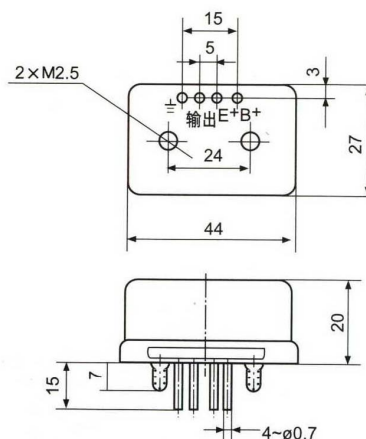
Note: P.C.=Product Code



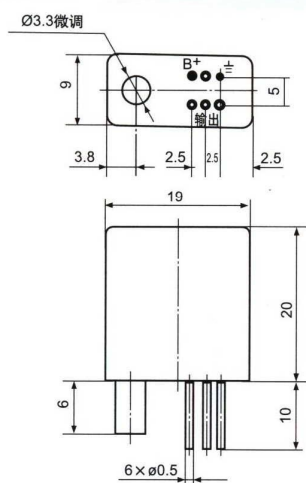
P.1



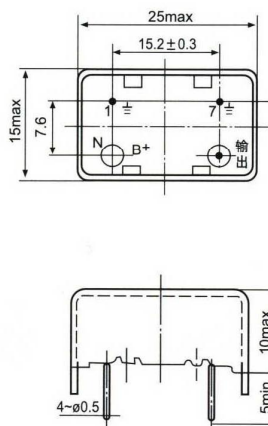
P.2



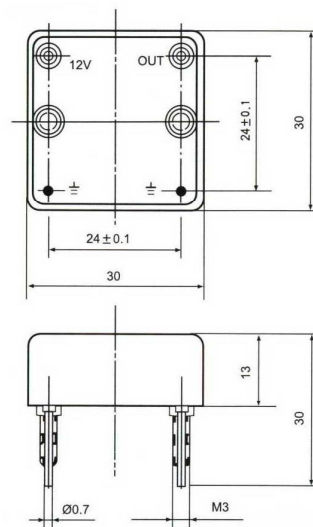
P.3



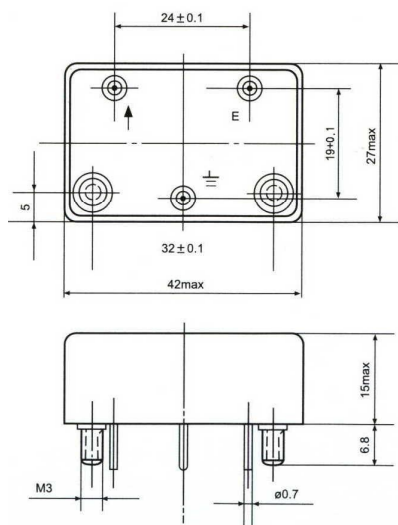
P.4



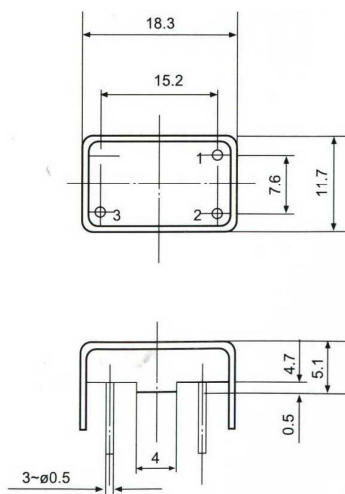
P.5



P.6

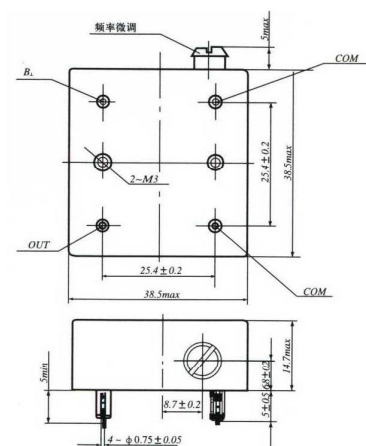


P.7



P.8

- 1 — 1
- 2 — 输出
- 3 — B+(5V)



P.9