

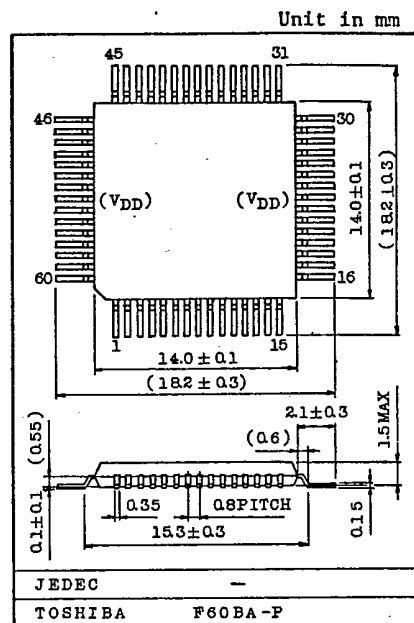
# TC9302AF-008

## TC9302AF-008 DIGITAL TUNING SYSTEM

### ○OUTLINE OF SYSTEM

The TC9302AF-008 can compose a high efficiency digital tuning system in combination with the TC9172P, a PLL LSI.

The TC9302AF-008 can be selected the receiving frequency bands of FM/MW, FM/MW/LW, SW2/SW1/FM/MW, and most suitable to apply to home-stereo.



### ○RECEIVING FREQUENCY BANDS (Example of composition)

| BAND | RECEIVING FREQUENCY [Hz] | STEP [Hz]   | FREQ [Hz] | IF [Hz]          | IF OFFSET [Hz] | NOTE                      |
|------|--------------------------|-------------|-----------|------------------|----------------|---------------------------|
| FM   | 76.0 ~ 90.0M             | 50K or 100K | 25K       | +10.7M or -10.7M | ±50K           |                           |
|      | 87.5 ~ 108.0M            |             |           |                  |                |                           |
| MW   | 531 ~ 1602K              | 9K          | 9K        | +450K            | -              | Selection of availability |
|      | 530 ~ 1610K              | 10K         | 10K       |                  |                |                           |
| LW   | 153 ~ 344K               | 1K          | 1K        |                  |                |                           |
| SW1  | 3.200 ~ 7.300M           | 5K          | 5K        |                  |                |                           |
| SW2  | 9.500 ~ 21.750M          | 5K          | 5K        |                  |                | Selection of availability |

## ○OUTLINE OF FUNCTION

### ○TUNING FUNCTION

- . Manual tuning
- . Auto tuning (Tuning scan system is in a triangle waveform type, but in LW and SW bands are manual tuning only.)
- . Memory scan tuning
- . The receiving band selection method can be selected of one-band key cyclic type and each band key type.

### ○MEMORY FUNCTION

- . To be able to select of 10-channels random type and 5-channels fixed type for each band.

### ○SIGNAL LEVEL DISPLAY

- . 5-points for display by internal 4 bit A/D converter. (1-point is always lighting)

### ○THE EXTERNAL MEMORY DISPLAY

- . When TC9174P is used, it is able to be light on the memory display of 10-channels individually LED etc.

o TC9302AF-008 EXAMPLE OF APPLICATION CIRCUIT

