TOSHIBA CMOS DIGITAL INTEGRATED CIRCUIT SILICON MONOLITHIC

TC9308AF-055

DIGITAL TUNING SYSTEM (DTS-11)

The TC9308AF-055, In combination with the prescaler TD6134AF, is capable of composing a digital tuning system that is optimum to such portable as pocket radio, headphone stereo and the like. Receiving frequency bands are 2 bands of FM/AM for shipment.

FEATURES

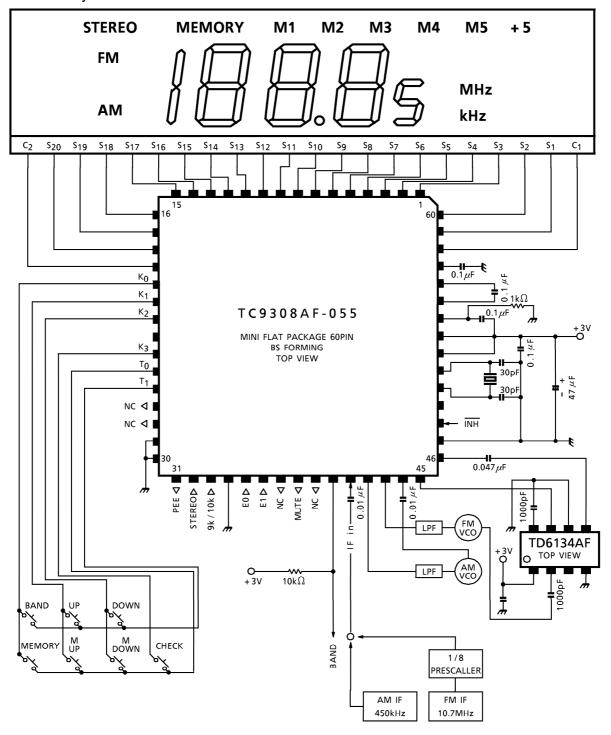
O Receiving frequency bands

| AREA | CO E0 | DE E1 | BAND | | IVING NCY [Hz] | STEP [Hz] | FREF [Hz] | IF [Hz] | PRESET MEMORY |
|------|----------|----------|------|---------------|-------------------|-----------|-----------|---------|-------------------|
| JPN | 0 | 0 | FM | 76.0~ | 90.0M | 100k | 12.5k | – 10.7M | fixed 10 stations |
| | | | MW | 530~ | 1610k | 10k | 5k | + 450k | |
| | | | | 531~ | 1629k | 9k | 3k | + 450k | |
| USA | 0 | 1 | FM | 87.5~ | 108.0M | 100k | 12.5k | + 10.7M | fixed 10 stations |
| | | | MW | 530~ | 1710k | 10k | 5k | + 450k | |
| | | | | 531~ | 1602k | 9k | 3k | + 450k | |
| Eur. | 1 | 0 | FM | 87.50~108.00M | | 50k | 12.5k | + 10.7M | |
| | | | MW | 530~ | 1610k | 10k | 5k | + 450k | fixed 10 stations |
| | | | | 531~ | 1602k | 9k | 3k | + 450k | |

Functions

- Tuning function
 - Manual up/down tuning: 1 step/1push tuning
 - Auto-tuning (Seek system): Continuous pushing the key automatically shifts to auto mode
 - IF count type auto stop system in combination with the TA8132F has been adopted
- Memory function
 - FM / AM each the stations
- Other functions
 - The Step frequency of MW band can choose 9kHz or 10kHz
 - Beep sound output

TC9308AF-055 Layout



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