

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

○ Receiving frequency bands

AREA	CODE		BAND	RECEIVING FREQUENCY [Hz]	STEP [Hz]	FREF [Hz]	IF [Hz]	PRESET MEMORY
	E0	E1						
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	fixed 10 stations
			MW	530~ 1610k	10k	5k	+ 450k	
				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

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TC9308AF-055 Layout

