

**TOSHIBA**

**TC9316F-026**

TOSHIBA CMOS DIGITAL INTEGRATED CIRCUIT SILICON MONOLITHIC

# TC9316F-026

## DIGITAL TUNING SYSTEM (DTS-11)

The TC9316F-026 is a digital tuning system optimum for portable sets such as pocket radios, headphone stereo sets, etc... By combining TC9316F-026 with prescaler TD7101F or TD6134AF, 4-band of FM/MW/LW/SW are provided compatibly with worldwide destinations.

### FEATURES

○ Receiving band

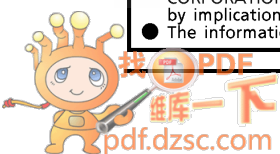
AREA	CODE		BAND	RECEIVING RANGE [Hz]	STEP [Hz]	FREF. [Hz]	IF [Hz]
	A1 / SW1	A0 / SW0					
U.S.A	0	*1 0	FM	87.5 ~ 108.0M	100 / 200k	12.5k	+ 10.7M
			MW	522 ~ 1620k	9k	3k	+ 450k
				520 ~ 1710k	10k	5k	
TV	2 ~ 13ch	1ch	6.25 / 12.5k	+ 10.7M			
General	0	1	FM	87.5 ~ 108.0M	50 / 100k	12.5k	+ 10.7M
			MW	522 ~ 1620k	9k	3k	+ 450k
				520 ~ 1620k	10k	5k	
LW	144 ~ 281k	1k	1k				
Europe East / Europe *2	1	0	FM	64.0 ~ 75.0M	50k	12.5k	+ 10.7M
				87.5 ~ 108.0M	50k	12.5k	+ 10.7M
			MW	522 ~ 1620k	9k	3k	+ 450k
				520 ~ 1620k	10k	5k	
LW	144 ~ 281k	1k	1k				
Japan	1	1	FM	76.0 ~ 108.0M	50 / 100k	12.5k	- 10.7M
			MW	522 ~ 1629k	9k	3k	+ 450k
				520 ~ 1620k	10k	5k	
TV	1 ~ 12ch	1ch	6.25 / 12.5k	- 10.7M			
—	0	1	SW	5.95 ~ 15.6M	5k	5k	+ 450k
	1	0		3.8 ~ 12.5M			
	1	1		2.3 ~ 7.3M			
				9.5 ~ 26.1M			

\*1 If step is 200kHz, range is 87.5~108.1MHz.

\*2 The frequency range of FM in Europe area is according to FM STEP jumper.

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- Tuning function
  - Manual tuning
  - Seek tuning
  - SW meter band scan
  - Direct frequency input function
- Memory function
  - Fixed        FM / MW / LW (SW1) / SW (SW2)    Each band 6 stations
  - Random     15 stations
- Direct key in of frequency
- Sleep function
- Clock function (12H / 24H)

TC9316F-026 Layout

