

TOSHIBA CMOS DIGITAL INTEGRATED CIRCUIT SILICON MONOLITHIC

# TC9316F-027

## DIGITAL TUNING SYSTEM (DTS-11)

The TC9316F-027 is a digital tuning system optimum for portable sets such as pocket radios, headphone stereo sets, etc... By combining TC9316F-027 with prescaler TD7101F or TD6134AF. 4-band of FM/MW/LW (TV)/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	0	FM	* 87.5 ~ 108.0M	100 / 200k	6.25k	+ 10.7M
			MW	522 ~ 1620k	9k	3k	+ 450k
				520 ~ 1710k	10k	5k	
TV	2 ~ 13ch	1ch	3.125k	+ 10.7M			
General	0	1	FM	76.0 ~ 108.0M	50 / 100k	6.25k	+ 10.7M
			MW	522 ~ 1620k	9k	3k	+ 450k
				520 ~ 1710k	10k	5k	
LW	144 ~ 281k	1k	1k				
Europe	1	0	FM	87.5 ~ 108.0M	50 / 100k	6.25k	+ 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	6.25k	- 10.7M
			MW	522 ~ 1629k	9k	3k	+ 450k
				520 ~ 1620k	10k	5k	
TV	1 ~ 12ch	1ch	3.125k	- 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			

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

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- Station selection
  - Auto tuning
  - 1 push / 1 step
  - SW meter band scan
- Memory function
  - Fixed           no fixed
  - Random       no fixed
- Dual clock (12 / 24 Hour)
- Alarm timer function.
- Sleep function.

