

# 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	0 (Note 1)	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 (Note 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			

Note 1: If step is 200 kHz, range is 87.5~108.1 MHz.

Note 2: The frequency range of FM in Europe area is according to FM STEP jumper.

**Tuning Function**

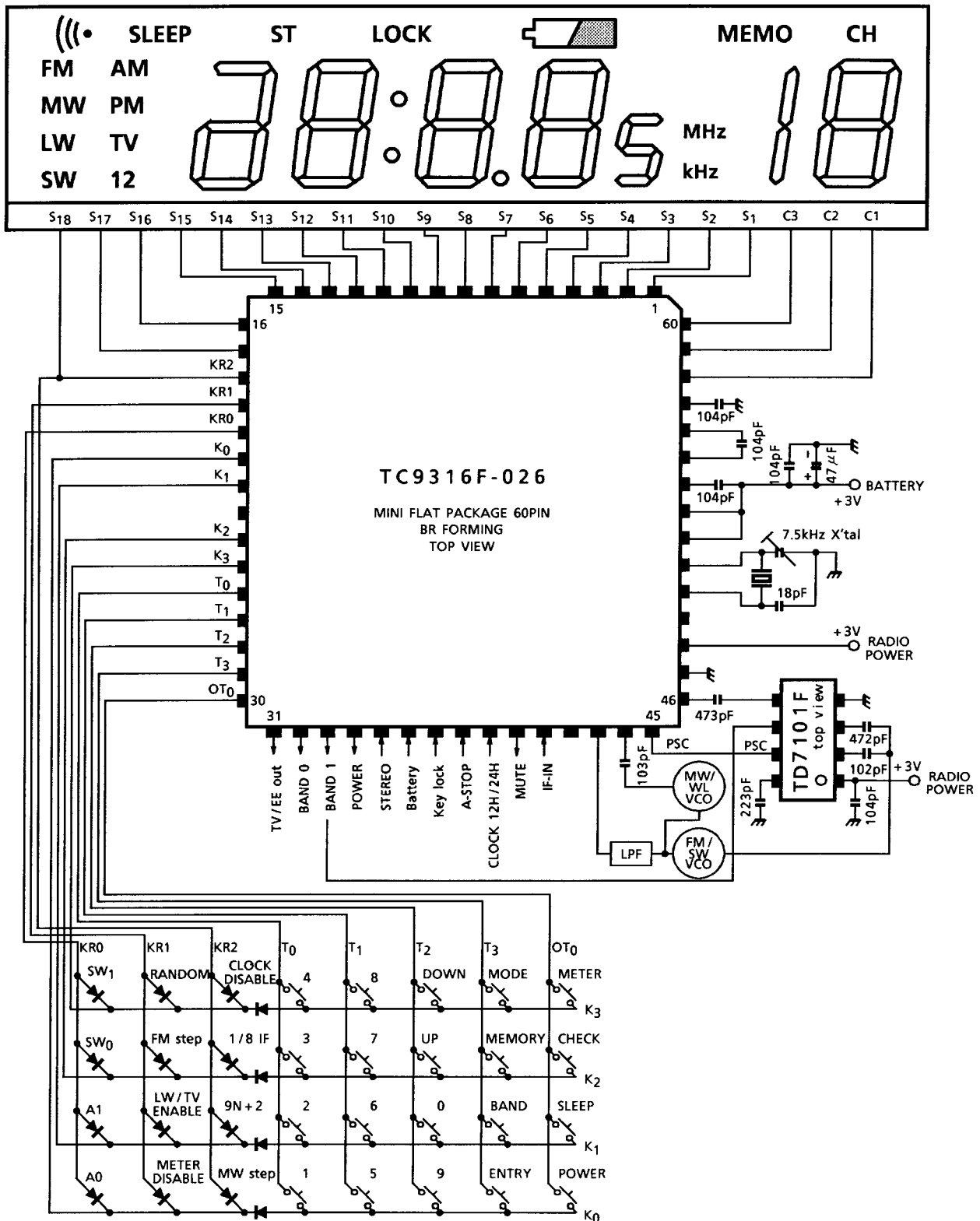
- Manual tuning
- Seek tuning
- SW meter band scan
- Direct frequency input function

**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 (12 H/24 H)**

## TC9316F-026 Layout



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