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 prescalar TD7101F or TD6134AF.

4-band of FM/MW/LW (TV)/SW are provided compatibly with worldwide destinations.

Features

Receiving Band

AREA	CODE		BAND	RECEIVING	STEP [Hz]	Fref. [Hz]	IE [H=]
	A1/SW1	A0/SW0	BAND	RANGE [Hz]	3127 [112]	riei. [nz]	IF [Hz]
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 200 kHz, range is 87.5~108.1 MHz.



Station Selection

- Auto tuning
- 1 push/1 step
- SW meter band scan

Memory Function

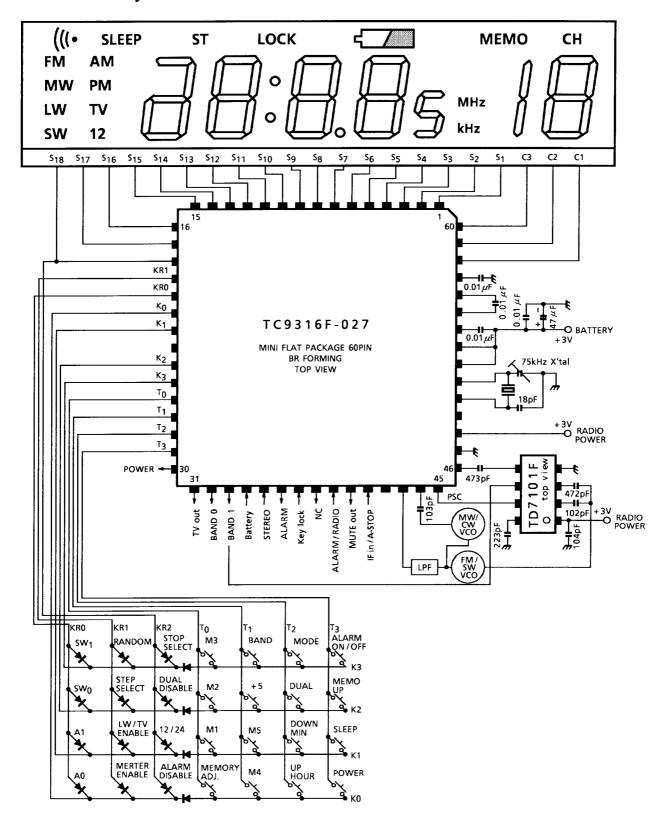
Fixed no fixedRandom no fixed

Dual Clock (12/24 hour)

Alarm Timer Function.

Sleep Function.

TC9316F-027 Layout



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Handbook" etc..

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