TC9318FB-001

TENTATIVE

TOSHIBA CMOS DIGITAL INTEGRATED CIRCUIT SILICON MONOLITHIC

TC9318FB-001

DIGITAL TUNING SYSTEM

The TC9318FB-001 is a single-chip digital tuning system optimum for portable sets such as headphone radios, etc., 5-band of FM/MW/LW/TV/SW are provided compatibly with worldwide destinations.

FEATURES

○ Receiving band (direct jumper = 0)

AREA	CODE		BAND	FREQUENCY	STEP [Hz]	FREF [Hz]	IF [Hz]	
	Α1	A0	BAND	RANGE [Hz]	31EF [HZ]	FREF [HZ]	IF [HZ]	
USA (Note 1)	0	0	FM	87.5 ~ 108. <mark>0M</mark>	50/200k	25k	+ 10.7M	
			MW	522 ~ 1620k	9k	3k	+ 450k	
				520 ~ 1710k	10k	5k		
			TV	2 ~ 13ch	1ch	25k	+ 10.7M	
General	0	1	FM	87.5 ~ 108.0M	50 / 100k	25k	+ 10.7M	
			MW	522 ~ 1620k	9k	3k	+ 450k	
				520 ~ 1620k	10k	5k		
			LW	144 ~ 281k	1k	1k	1	
Europe East / Europe (Note 2)	1	0	FM	65.0 ~ 74.0M	50k	25k	+ 10.7N	
				87.5 ~ 108.0M	50k	25k	+ 10.7N	
			MW	531 ~ 1611k	9k	3k	+ 450k	
				530 ~ 1610k	10k	5k		
			LW	144 ~ 281k	1k	1k		
	E F	三电	FM	76.0 ~ 108.0M	100k	25k	– 10.7N	
				76.0 ~ 90.0M	100k	25k	– 10.7N	
Japan (Note 3)				76.0 ~ 3ch	100k	25k	– 10.7N	
			MW	522 ~ 1629k	9k	3k	+ 450k	
				520 ~ 1620k	10k	5k		
			TV	1 ~ 12ch	1ch	25k	- 10.7N	
	SW1	SW0				الالح سم	-T 11	
	0	1	sw	5.95 ~ 15.6M	- 5k	5k	450	
	1	0	300	3.8 ~ 12.5M	JK.	JK	4301	

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

(Note 2) The frequency range of FM in Europe area is according to FMstep jumper.

(Note 3) The frequency range of FM in Japan area is according to FMstep and LW/TVenable jumper.

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○ Receiving band (direct jumper = 1)

BAND		RECEIVING BAND	STEP [Hz]	FREF [Hz]	IF [Hz]		METER	NOTE
		[Hz]			1'st	2'nd	BAND	NOTE
	LW	150 ~ 285k (Note 1) 150 ~ 528k (Note 1)	1k	1k	10.7M / + 54.25M (Note 3)	+ 450k	l	DOUBLE / SINGLE CONV.
	MW	531 ~ 1611k	9k 10k	1k	+ 10.7M / + 54.25M	+ 450k	_	DOUBLE / SINGLE
		530 ~ 1610k		1k				CONV.
	-	1615 ~ 2245k	5k	1k	+ 10.7M / + 54.25M	+ 450k		DOUBLE /SINGLE CONV.
		2250 ~ 2550k					120M	
AM		3150 ~ 3450k					90M	
	sw	3850 ~ 4050k					75M	
		4700 ~ 5100k					60M	
		5900 ~ 6250k					49M	
		7000 ~ 7400k					41M	
		9400 ~ 10000k					31M	
		11500 ~ 12150k					25M	
		13500 ~ 13900k					21M	
ļ		15000 ~ 15700k					19M	
		17450 ~ 18000k					16M	
		21400 ~ 21950k					13M	
		25600 ~ 26100k					11M	
		26105 ~ 29995k	FOL				_	
FM		87.50 ~ 108.00M	50k (Note 2)	25k	+ 10.7M	_	_	_
		76.00 ~ 108.00M	100k (Note 2)	25k	– 10.7M		<u> </u>	_

- (Note 1) Setting Saudi jumper.
- (Note 2) Setting FMstep jumper.
- (Note 3) Setting AM1stlF jumper.

(Note 4) TV band is nothing. LW/TVenable, A0, A1, SW0, SW1 jumper is disable.

TOSHIBA TC9318FB-001

- O Tuning function
 - manual tuning (up/down)

(Normal tuning or dial tuning)

- direct tuning (DIRECT JUMPER = 1)
- seek tuning
- MEMORY FUNCTION
 - DIRECT JUMPER = 0

Fixed FM/MW/LW/TV/SW each band 10 stations

Last Memory each band

• DIRECT JUMPER = 1

Random 18 stations

No Last Memory

- O CLOCK FUNCTION
 - DUAL CLOCK FUNCTION
 - 12/24H CLOCK
 - SLEEP TIMER FUNCTION
 - ALARM TIMER FUNCTION
- OTHER FUNCTION
 - AUTO OFF FUNCTION
 - BATTERY CHECK FUNCTION

