

9097250 TOSHIBA (DISCRETE/OPTO)

99D 17293 DT-41-35

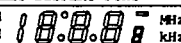
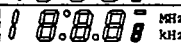
TLR5001, TLR5002, TLG5001, TLG5002

5 DIGITS LED DISPLAY FOR DIGITAL TUNING SYSTEM

- 10 mm (0.4") character height, each segment represents diffused and uniformly display.
- Outer color filter provides high contrast, practical brightness are obtained at about 5 mA per segments.
- Arrow edge shape of each segment represents not mosaic but look like Arabic numerals.
- Selectable both type Europe or U.S.A. (Japan)
- Recommendable LSI ; TD6301P or TD6301AP (TOSHIBA)

TLR5001, TLR5002

TYPE NO. vs. DISPLAY FONT

COMMON ANODE	FULLY DISPLAY FONT
TLR5001	FM AM  MHz kHz
TLR5002	FM MW LW  MHz kHz

MAXIMUM RATINGS (Ta - 25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current/Seg.	I _F /Seg.	15	mA
Reverse Voltage	V _R	3	V
Storage Temperature Range	T _{stg}	-30 ~ 90	°C
Operating Temperature Range	T _{opr}	-30 ~ 75	°C

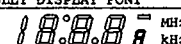
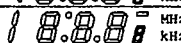
Refer to page 291 for the figure.

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta - 25 °C)

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V _F	I _F = 5 mA	1.7	1.9	2.4	V
Reverse Current	I _R	V _R = 3 V	-	-	5	µA
Luminous Intensity	I _v /Seg.	I _F = 5 mA	-	-	-	mcd
	D _p	I _F = 5 mA	-	-	-	mcd
Luminous Intensity Matching Ratio	character	I _F = 5 mA	-	-	2.3	-
Peak Wave Length	λ _P	I _F = 10 mA	-	700	-	nm
Spectral Line Half Width	Δλ	I _F = 10 mA	-	100	-	nm

TLG5001, TLG5002

TYPE NO. VS DISPLAY FONT

COMMON ANODE	FULLY DISPLAY FONT
TLG5001	FM AM  MHz kHz
TLG5002	FM MW LW  MHz kHz

MAXIMUM RATINGS (Ta - 25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current/Seg.	I _F /Seg.	15	mA
Reverse Voltage	V _R	3	V
Storage Temperature Range	T _{stg}	-30 ~ 90	°C
Operating Temperature Range	T _{opr}	-30 ~ 75	°C

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta - 25 °C)

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V _F	I _F = 10 mA	1.8	2.0	2.5	V
Reverse Current	I _R	V _R = 3 V	-	-	5	µA
Luminous Intensity	I _v /Seg.	I _F = 10 mA	-	-	-	mcd
	D _p	I _F = 10 mA	-	-	-	mcd
Luminous Intensity Matching Ratio	character	I _F = 10 mA	-	-	2.3	-
Peak Wave Length	λ _P	I _F = 10 mA	-	565	-	nm
Spectral Line Half Width	Δλ	I _F = 10 mA	-	30	-	nm

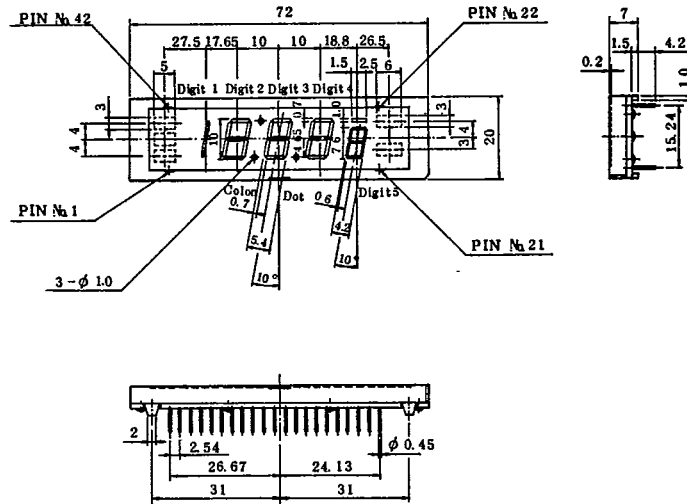
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DT-41-35

PHYSICAL DIMENSIONS

Unit: mm



PHYSICAL DIMENSIONS

PIN No	CONNECTION	PIN No	CONNECTION
1	DIGIT 2 G CATHODE	22	MHz, kHz CATHODE
2	" F "	23	MHz ANODE
3	" E "	24	kHz "
4	" D "	25	,ST CATHODE
5	" C "	26	DIGIT 5 G CATHODE
6	" B "	27	" B, E "
7	" A "	28	" A, C "
8	DIGIT 3 G "	29	" D, F "
9	" F "	30	COMMON ANODE
10	" E "	31	Dot ANODE
11	" D "	32	" CATHODE
12	" C "	33	Lower Colon CATHODE
13	" B "	34	Upper Colon "
14	" A "	35	DIGIT 1 C "
15	DIGIT 4 G "	36	" B "
16	" F "	37	LW CATHODE
17	" E "	38	MW "
18	" D "	39	FM "
19	" C "	40	FM ANODE
20	" B "	41	MW "
21	" A "	42	LW "

