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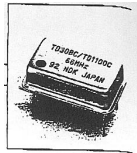


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CRYSTAL CLOCK OSCILLATORS

TD308/TD1100 SERIES



- Features
 - Directly drives the TTL IC.
 - Available for a wide range of frequencies 3.9~70MHz
 - Large fanout capability N-TTL10.

Item	Model	TD1158C	TD308CB	TD308CC	TD308CD
Output Level			TTL		
Frequency Range (MHz)			3.9~70		
Frequency Stability (ppm)		=100	=500	=1000	=50
Operating Temp. Range (°C)		-40/+85°C	-20/+70	-20/+70	0/+70
Current Consumption (mA)	Vpp=5V Load: Fig. 1		20=30 (TYP) 50 (max)		
Vol. Max/Voh min (V)	Load: Fig. 1		See Table 1		
Tr max/TP max (ns)	Load: Fig. 1		See Table 2		
Duty Cycle (%)	Load: Fig. 1 1.4V		40=60 0=10		
Fanout (gate)	TTL GATE		NO		
Stand-by Function			NO		

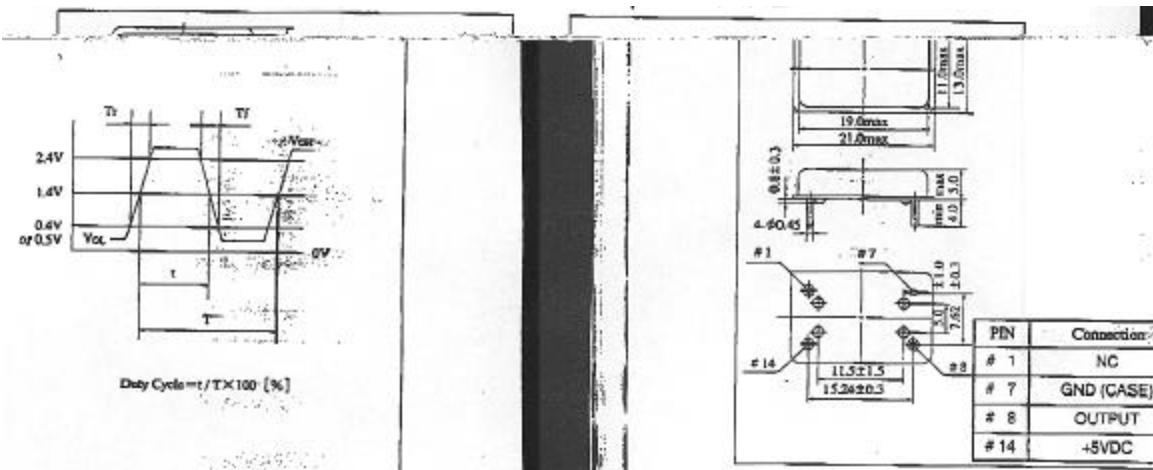
Table 1

Frequency Range	VOL	VOH
<40 MHz	0.4V max	2.4V min
≥40 MHz	0.5V max	2.4V min

Table 2

Frequency Range	Tr	Tf
~ 8 MHz	15ns max	15ns max
8-22 MHz	10ns max	10ns max
22-30 MHz	7ns max	7ns max
30-70 MHz	5ns max	5ns max

■ TD308/TD1100 Series Outline



■ Output Wave <TTL>