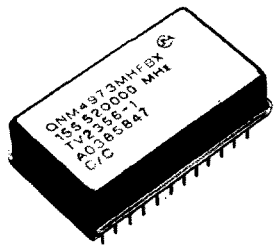
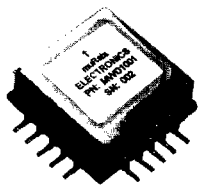
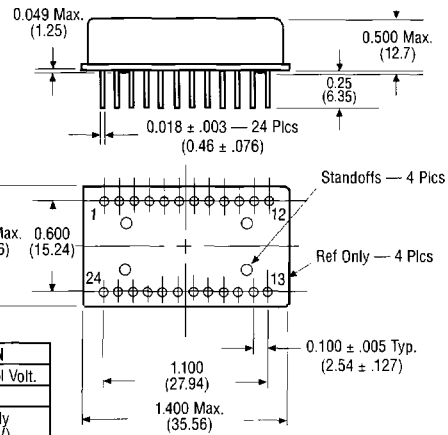




SPECIFICATIONS

MODEL	TV2363-1	
Features	Designed for Sonet Standard STS/OC-3	
Frequency Range	155.52MHz	
Input Voltage & Current	−4.5VDC @50mA Nominal +12VDC @20mA max.	
Output Type	100K ECL-Complimentary Outputs; Phase Jitter: 64pS p-p Output Skew: 100pS max.	
Control Voltage and Freq. vs. Voltage Slope	0 ± 8V Negative	
AFC Input Impedance	10KΩ min.	
Linearity	±20%	
Model	Deviation	Temp. Stability
	±40 to ±60ppm	±5ppm
Temp. Range	−40°C/+85°C	
Figure	1	

MODEL	MWD100102
Features	Designed for Sonet Standard STS/OC-12
Frequency Characterisitcs	
Center Frequency	622.08MHz
Tuning Range	±5MHz
Tuning Voltage Range	0 to +5VDC; transfer function is monotonic and slope positive
Pushing	0.2MHz/V max. for Vee = −5.2V ± 0.25V
Pulling	0.5MHz pk-pk frequency change with a return loss of 12dB
Frequency vs. Temp.	±2MHz over −40 to +85°C
Modulation Sensitivity	2.5MHz/V ± 1MHz/V
Output Characteristics	
Waveform	Complementary 100K ECL
SSB Phase Noise	−100dBc/Hz max. @ 10KHz offset
Input Characteristics	
Supply Voltage	−5.2 ± 0.25VDC
Supply Current	50mA max.
Tuning Voltage Input Impedance	10k ohms min.

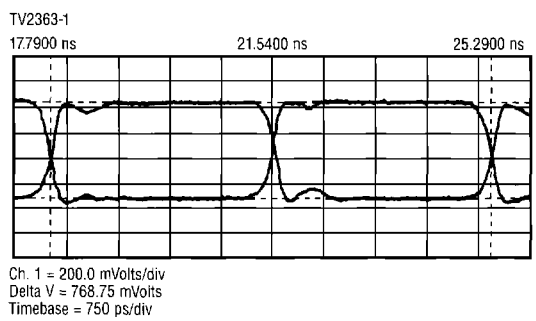


TV2363-1

PIN	FUNCTION
1	VC Control Volt.
2,8,10,12	Case/Gnd
9	VS2 Supply Volt. (+12V)
11	VS1 Supply Volt. (−4.5V)
14	Output Signal
16	Complementary Output Signal
13,15,17	Case/Gnd
Others	N/C

Fig. 1

100K ECL COMPLEMENTARY OUTPUT CHARACTERISITCS



Dimensions: in. (mm)

MWD100102