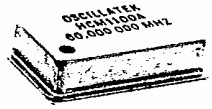
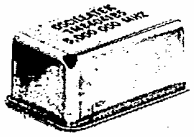
CRYSTAL CLOCK OSCILLATORS

T-50-23





OPTIONS • OUTPUT LOGIC • FREQUENCY • STABILITY • TEMPERATURE RANGE • SUPPLY VOLTAGE

SPECIFICATIONS

OUTPUT: HIGH SPEED C-MOS

OPERATING TEMP. RANGE: 0°C to +70°C

STORAGE TEMP. RANGE: -55°C to 125°C

SUPPLY VOLTAGE: 5.0 VDC, ± 10%

SUPPLY CURRENT: 60 mA MAX. @ 50 MHz
45 mA MAX. @ 30 MHz
30 mA MAX. @ 20 MHz
20 mA MAX. @ 10 MHz

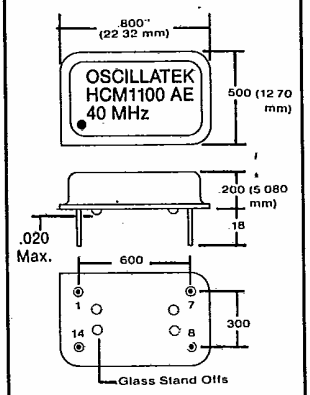
DUTY CYCLE: 60/40%, at the 50% level

Tr, Tf: 5.0nS MAX, 10% to 90% Levels

VOH: Vcc-0.2V MIN

VOL: 0.2 V, MAX.

PIN CONNECTIONS	
1	SEE OPTION CHART
7	GND / CASE
8	OUTPUT
14	Vcc



*.265" max. for frequencies above above 100 MHz

ORDERING METHOD

STANDARD SERIES—HCMOS	ABSOLUTE STABILITY
HCM1100	± .01%
HCM1114	± .05%
HCM1115	± .1%
HCM1144	± .0025%
HCM1145	± .005%

OUTPUT OPTION					—	FREQUENCY
OPT. #	DESCRIPTION	PIN 1 FUNC.	PIN 1	PIN 8		
A	STANDARD	N.C.	N.C.		—	60 Hz to 50 MHz
AD**	DUAL PHASE	OUTPUT				
AE**	ENABLE	INPUT				
AF**	DUAL FREQ. ***	OUTPUT				
AZ**	TRI-STATE	INPUT				

EXAMPLE	HCM1100	AE	—	40 MHz	Write "Screened" if screening to MIL-0-55310/16, Class B, Table II is required

NOTE: HCM1100AE-40.000000 MHz is a model number in above example selected with HC-MOS compatible output in 4-pin DIP package with glass stand offs, standard Pin Out, ± .01% stability over 0°C to 70°C, and ouput disable capability.

**Not available above 50 MHz
***Pin 1 freq. is binarily derived from the pin 8 freq.

K&L OSCILLATEK
620 N. Lindenwood Drive • Olathe, Kansas 66062 • Phone: (913) 829-1777 • TELEX: 437045 • FAX: (913) 829-3505