

MONITOR PRODUCTS COMPANY INC

975H • 975HHT • 985H • 985HHT

Half-Size, TTL and HCMOS Compatible Clock Oscillators

FEATURES

- Low power consumption
- Surface mount option
- Tristate function on 975HHT & 985HHT

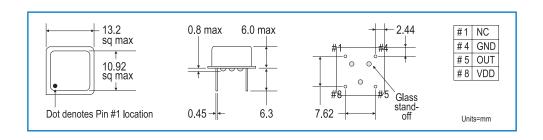
Monitor Products' 975H/HHT and 985H/HHT series of half-size clock oscillators combine state-of-the-art, thick film, hybrid technology with precision manufacturing, resulting in products of unsurpassed accuracy and reliability. Their all-metal, resistancewelded cases ensure environmental protection and shielding to minimize EMI/RFI.



APPLICATIONS

- Systems clock
- Disk drives
- Cameras
- Computer applications
- Measuring instruments
- Communications equipment

Monitor Products has a proven track record as a pioneer manufacturer in the frequency control market. If our extensive selection of standard and engineered crystals and oscillators does not meet your spec, we will work with you towards a customized solution.



ELECTRICAL SPECIFICATIONS	975H HCMOS	975HHT HCMOS/Tristate	985H HCMOS	985HHT HCMOS/Tristate
Supply Voltage	5.0 VDC ± 0.5 V		3.0 VDC \pm 0.3 V	
Frequency Range	1.0~100.0 MHz		1.0~70.0 MHz	
Load Capacitance	1.0 ~ 49.9 MHz = 50pF 50.0 MHz & up = 5 TTL or 10 LSTTL or 15pF max		5 TTL or 10 LSTTL or 15pF max	
Input Current (max)	20.1 ~ 70.0	0 MHz: 20 mA 0 MHz: 40 mA 0 MHz: 60 mA) MHz: 10 mA) MHz: 20 mA
Rise & Fall Time (max)	25.1 ~ 70.0	0 MHz: 10 nS 0 MHz: 6 nS 0 MHz: 4 nS		MHz: 10 nS MHz: 6 nS
Operating Temp Range	0°C ~ 70°C standard (extended temp ranges avail - call factory for other options)			
Symmetry	60%/40% @ ½ Vdd max std (55%/45% avail)			
Freq Stability	\pm 100 ppm standard (\pm 25 ppm available)			
Logic 0 Level	10% x Vdd min			
Logic 1 Level	90% x Vdd max			

Monitor Products Company Inc reserves the right to make changes to its products and product specifications without notice. No liability is assumed as a result of their use or application.





CORPORATE OFFICE / FACTORY

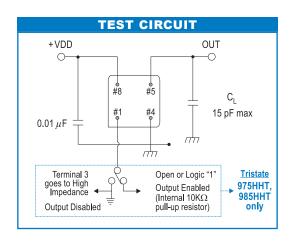
502 Via del Monte, Oceanside, CA 92054 Tel: 760 433-4510 Fax: 760 434-0255 **Regional Sales Office**

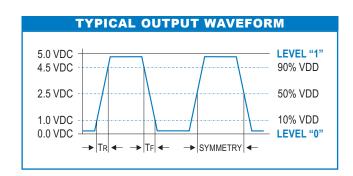
3415 Custer Road, Suite 103, Plano, TX 75023 Tel: 972 758-8687 Fax: 972 758-7574

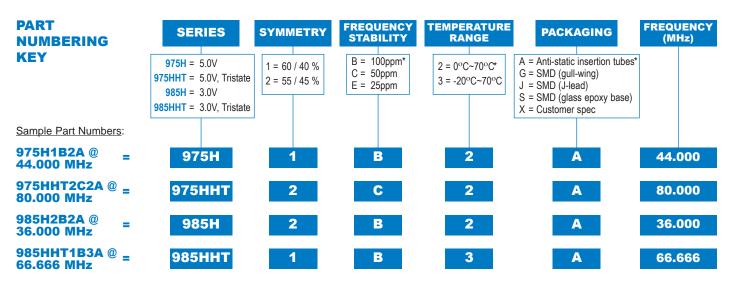


ENVIRONMENTAL PERFORMANCE SPECIFICATIONS

Oper Temp Range	0°C~70°C (call factory for other ranges)		
Storage Temp Range	-55°C~125°C		
Vibration	MIL-STD-202F, Method 204,		
	35G, 50 to 2000 Hz		
Shock	MIL-STD-202F Method 213B,		
	Test Cond E, 1000G, 1/2 Sine Wave		
Humidity	85% RH, 85°C, 48 Hours		
Hermetic Seal	Leak Rate 2 x 10 ⁻⁸ ATM-cm ³ /sec max		
Reflow Solderability	260°C, 10 secs max		
Solderability	MIL-STD-202F, Method 208E		







^{*} Standard Call factory for additional options. Use full descriptive part number when ordering. Parts will be marked with series and frequency only.

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Designers and manufacturers of innovative frequency control devices since 1927