

MONITOR PRODUCTS COMPANY INC

970T • 975T

Full-Size & Half-Size, TTL-compatible Clock Oscillators

Monitor Products' 970T and 975T series of full-size and 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 allmetal, resistance-welded cases ensure environmental protection and shielding to minimize EMI/RFI.

FEAT	JRES
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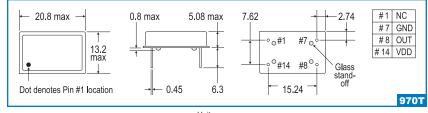
- Low power consumption
- Tristate gates
- Surface mount options
- Independent dual outputs

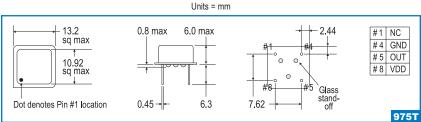
APPLICATIONS

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



ELECTRICAL SPECIFICATIONS	970T Full-size	975T Half-size
Frequency Range	1.0 ~ 100.0 MHz	
Frequency Stability	± 100 ppm standard	(± 25 ppm available)
Supply Voltage	5.0 VDC ± 0.5 V	
Operating Temperature Range	0°C ~ 70°C (extended temp ranges ava	
Load Capacitance	10 T	TL
Symmetry	60%/40% @	1/4 Vcc max
Input Current (max)	1.0 ~ 25.0 M 25.1 ~ 70.0 M 70.1 ~ 100.0 M	ИНz : 70 mA
Rise & Fall Time (max)	1.0 ~ 25.0 M 25.1 ~ 70.0 M 70.1 ~ 100.0 M	ИНz: 5 nS
Logic 0 Level (max)	1.0 ~ 25.0 M 25.1 ~ 100.0 M	
Logic 1 Level (min)	+2.	4V





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.

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

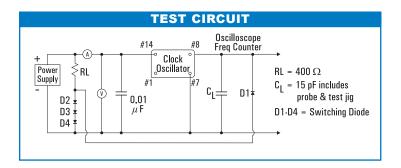
502 Via del Monte, Oceanside, CA 92054 Tel: 760 433-4510 Fax: 760 434-0255 Regional Sales Office

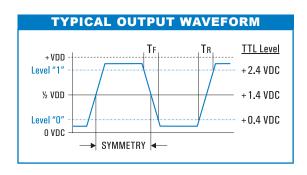
3415 Custer Road, Suite 103, Plano, TX 75023 Tel: 972 758-8687 Fax: 972 758-7574

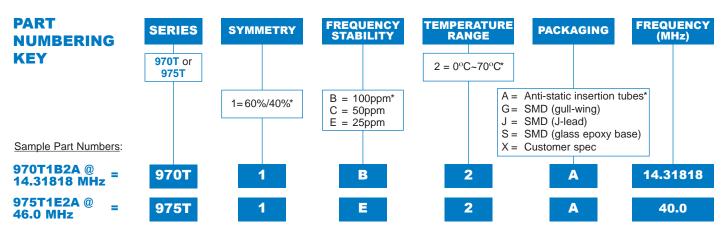


ENVIRONMENTAL PERFORMANCE SPECIFICATIONS

Operating Temperature Range	0°C~70°C
Storage Temperature 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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