

ISM9P Series

SMD Programable TTL/HCMOS/PECL

Frequency	340.00 KHz to 250.000 MHz	
Output Level	TTL/HCMOS	PECL
Level	'0' = 0.4 Vdc Max., '1' = 2.4 Vdc Min.	Standard PECL
Duty Cycle	50% ± 5% or ± 10%	
Rise/ Fall Time	5 nS Max. for Vcc = +3.3 Vdc , 10 nS Max. for Vcc = +5 Vdc *	
Output Load	(Vdd = 3.3V) HCMOS	Standard PECL
	<100.000 MHz 15 pF HCMOS Load max	
	>100.000 MHz 10 pF HCMOS Load max	
	(Vdd = 5.0V) HCMOS	
	<100.000 MHz 25 pF HCMOS Load max	
	>100.000 MHz 10 pF HCMOS Load max	
Temperature		
Operating	See Table Operating Temperature	
Storage	-40 °C ~ +85 °C	

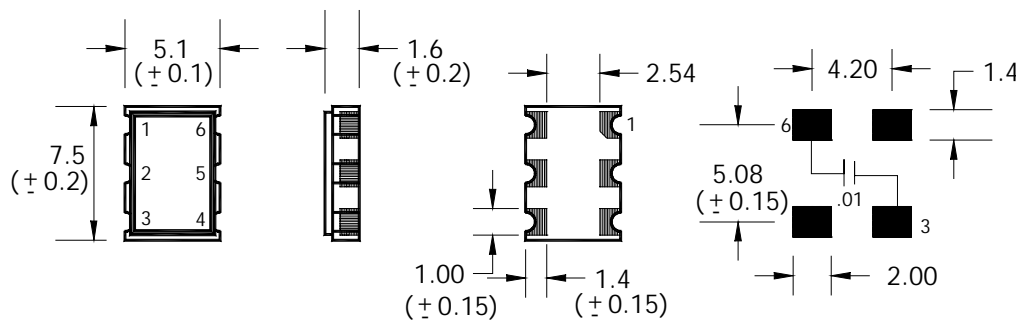
Part Number Guide		Sample Part #:		ISM9P-5161CH-20.000			
	Input Voltage	Operating Temp	Symmetry (Duty Cycle)	Output	Stability (in ppm)	Tristate (Standby)	Frequency
ISM9P	5 = 5.0V	1 = -10°C ~ +70°C	5 = 45/55 max	1 = TTL/F HCMOS	A = ±25	H = Enable High	20.000 MHz.
	3 = 3.3V	2 = -40°C ~ +85°C	6 = 60/40 max	6 = PECL	B = ±50	O = None	
					C = ±100		

NOTE: A 0.01 µF bypass capacitor is recommended between Vcc (pin 6) and Gnd (pin 4) to minimize power supply noise

* Frequency and output related parameters

Tri-State Function	
Pin 1 Open	Enable
Pin 1 ≥ 2.2V	Enable
Pin 1 ≤ 0.8 V	Disable

DIMENSION UNITS: mm



PIN CONNECTIONS	
1	NC / ED
2	NC
3	GROUND
4	OUTPUT
5	NC (Program)
6	Vcc

ILSI America

5458 Louie Lane Reno, NV 89511 Phone: 775-851-8880 • Fax: 775-851-8882

• email: e-mail@ilsiamerica.com • www.ilsiamerica.com

Specifications subject to change without notice

