

Timing Function IC

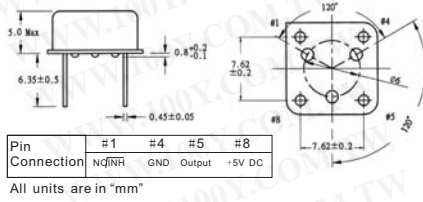
TTL/HCMOS Crystal Clock Oscillators

Detailed product specifications are available on: us.100y.com.tw

DIP-8



Part No.	Product No.	Manufacturer	Description	Frequency(MHz)	Package
33238	HA7210IP	Intersil	Low Power Crystal Oscillator	10kHz to 10MHz	8 Ld PDIP



- All metal welded package
- Wide frequency range from 1.0MHz up to 100MHz
- CMOS IC circuit construction built-in with tri-state function
- CMOS/TTL compatible ingencral application
- Package: HALF CAN
- Tolerance/ppm: ±20ppm, ±25ppm, ±50ppm, ±100ppm

Part No.	Product No.	Manufacturer	Description	Frequency(MHz)	Input Current	Rise Fall time	Operating Volt.	Package	Tol. ±ppm
6916	OSC10.000M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	10.000MHz	20mA	5ns Max	5V&3.3V	HALF CAN	±50ppm
4938	OSC12.000M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	12.000MHz	15mA	5nS	3.3V	HALF CAN	±25ppm
16843	OSC14.7456M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	14.7456	15mA	5ns Max	3.3V&5V	HALF CAN	±50ppm
6908	OSC16.257M-HALF	QFT	O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	16.257	20mA	5ns Max	5V&3.3V	HALF CAN	±50ppm
3358	OSC16.257M-HALF		14 Pins TTL Crystal Clock Oscillators	16.257MHz	50mA	5ns	5V	half Can	25ppm
13309	OSC20.000M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	20.000	20mA	10ns	3.3V&5V	HALF CAN	±50ppm
13475	OSC22.118M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	22.118	15mA	5nS max.	3.3V&5V	HALF CAN	±50ppm
6940	OSC25.175M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	25.175	30mA	5ns	5V	HALF CAN	±50ppm
28493	OSC27.000M-HALF		TTL/HCMOS O.S.C (half can)	27.000MHz			3.3V	HALF CAN	+/-50ppm
13472	OSC3.6864M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	3.6864MHz	10mA	5ns	3.3V&5V	HALF CAN	±50ppm
13474	OSC4.000M-HALF	QFT	O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	4.0000MHz	10mA	5ns	3.3V&5V	HALF CAN	+/-50ppm
13307	OSC5.000M-HALF		O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	5.000	25mA	6ns max	5V	HALF CAN	±50ppm

EPSON_SG-8002 Programmable Oscillators

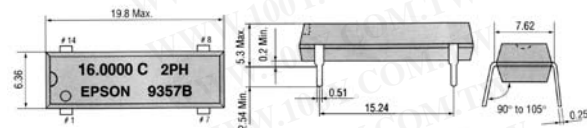
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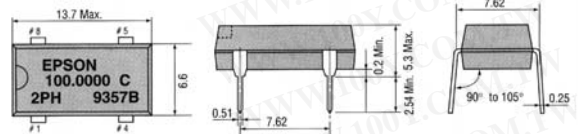
- Wide frequency output by PLL technology.
- Quick delivery of samples and short lead mass production time.
- Excellent environmental capability.
- Output enable function (OE) and stand-by function (ST) can be used for low current consumption applications.
- Pin compatible with full size and half size.



SG-8002DB Series



SG-8002DC Series



Item	Symbol	Specifications *2			Remarks
		PT/ST	PH/SH	PC/SC	
Output frequency range	F ₀	1.0000 MHz to 125.0000 Mhz			Refer to page 33. "Frequency range"
Max. supply voltage	VDD-GND	-0.5 V to +7.0 V			
Operating voltage	VDD	5.0 V ±0.5 V	3.3 ±0.3 V		2.7 V to 3.6 V: f ₀ ≤ 6.7 MHz (PC/SC)
Storage temperature	T _{STG}	-55 °C to +125 °C			Stored as bare product after unpacking
Operating temperature	T _{OPR}	-20 °C to +70 °C (-40 °C to +85 °C)	-40 °C to +85 °C		Refer to page 33. "Frequency range"
Frequency stability	Δf/f ₀	B: ±50 x 10 ⁻⁶ C: ±100 x 10 ⁻⁶ M: ±100 x 10 ⁻⁶			B, C: -20 °C to +70 °C, M: -40 °C to +85 °C
Current consumption	I _{OP}	45 mA Max.	28 mA Max.		No load condition, Max. frequency range
Output disable current	I _{OE}	30 mA Max.	16 mA Max.		OE=GND(PT, PH, PC)
Standby current	I _{ST}	50 μA Max.			ST=GND(ST, SH, SC)

Part No.	Product No.	Manufacturer	Description	Frequency(MHz)	Input Current	Rise Fall time	Package	Funtion	Power Supply	Freq. Stability	Operating Temp. °C
14318	SG-8002DB-PCB-24M	EPSON	EPSON SG-8002 Programmable Oscillators	24	28mAmax.	4nS/4nS max.	SG-51(14P-DIP)	Output Enable	2.7~3.6V	50ppm	-20~+70
23796	SG-8002DC-PCB-16.9344	EPSON	EPSON SG-8002 Programmable Oscillators	16.9344	28mAmax.	4nS/4nS max.	SG-531(DIP-8P)	Output Enable	2.7~3.6V	50ppm	-20~+70
24371	SG-8002DC-PCB-24.576	EPSON	EPSON SG-8002 Programmable Oscillators	24.576	28mAmax.	4nS/4nS max.	SG-531(DIP-8P)	Output Enable	2.7~3.6V	50ppm	-20~+70
14319	SG-8002DC-PCB-24M	EPSON	EPSON SG-8002 Programmable Oscillators	24	28mAmax.	4nS/4nS max.	SG-531(DIP-8P)	Output Enable	2.7~3.6V	50ppm	-20~+70
30975	SG-8002DC-PCB-27M	EPSON	EPSON SG-8002 Programmable Oscillators	27	28mAmax.	4ns/4ns max.		Output Enable	2.7~3.6V	±50ppm	-20~+70
30977	SG-8002DC-PCB-36M	EPSON	EPSON SG-8002 Programmable Oscillators	36	28mAmax.	4nS/4nS max.		Output Enable	2.7~3.6V	±50ppm	-20~+70
27796	SG-8002DC-PCB-7.3608MHz	EPSON	EPSON SG-8002 Programmable Oscillators	7.3608MHz	28mAmax.	4nS/4nS max.	SG-531(DIP-8P)	Output Enable	2.7~3.6V	50ppm	-20~+70
27797	SG-8002DC-PCB-7.4184MHz	EPSON	EPSON SG-8002 Programmable Oscillators	7.4184MHz	28mAmax.	4nS/4nS max.	SG-531(DIP-8P)	Output Enable	2.7~3.6V	50ppm	-20~+70



T E L : Taiwan: 886-3-5753170
 F A X : Taiwan: 886-3-5753172
 E-mail: Taiwan: us_sale@100y.com.tw

Shenzhen: 86-755-83298787
 Shenzhen: 86-755-83640655
 Shenzhen: 100y@163.com

Shanghai: 86-21-54151736
 Shanghai: 86-21-64605107
 Shanghai: 100y-1@163.com