

Crystal Oscillator Modules - continued

Single Output Modules - continued

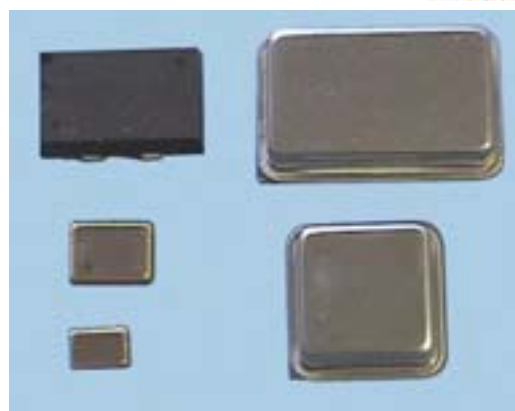
4 pin SMD - TTL Output - continued

Frequency MHz	Stability ±ppm	Order Code	1+	10+	100+	250+
4	100ppm	SMD 562-907	491.00	334.00	265.00	208.00
4	100ppm	SMD 121-6215	481.00	328.00	260.00	204.00
5	50ppm	SMD 300-2810	654.00	406.00	330.00	251.00
5	50ppm	SMD 121-6203	641.00	398.00	323.00	246.00
12	100ppm	SMD 562-919	486.00	334.00	265.00	228.00
12	100ppm	SMD 121-6216	476.00	328.00	260.00	224.00
14.31818	100ppm	SMD 563-201	481.00	328.00	260.00	204.00
14.31818	100ppm	SMD 121-6221	481.00	328.00	260.00	204.00
16	100ppm	SMD 562-920	481.00	328.00	260.00	217.00
16	100ppm	SMD 121-6217	481.00	328.00	260.00	204.00
20	50ppm	SMD 300-2834	641.00	398.00	323.00	246.00
20	50ppm	SMD 121-6204	641.00	398.00	323.00	246.00
24	100ppm	SMD 563-213	481.00	328.00	260.00	204.00
24	100ppm	SMD 121-6222	412.00	304.00	246.00	213.00
25	50ppm	SMD 300-2895	641.00	398.00	323.00	246.00
25	50ppm	SMD 121-6205	641.00	398.00	323.00	246.00
25	100ppm	SMD 300-2809	641.00	398.00	323.00	246.00
25	100ppm	SMD 121-6202	641.00	398.00	323.00	246.00
32	100ppm	SMD 562-932	481.00	328.00	260.00	217.00
32	100ppm	SMD 121-6218	481.00	328.00	260.00	204.00
40	100ppm	SMD 562-944	491.00	334.00	265.00	208.00
40	100ppm	SMD 121-6219	481.00	328.00	260.00	204.00
40	50ppm	SMD 300-2925	641.00	398.00	323.00	246.00
40	50ppm	SMD 121-6206	641.00	398.00	323.00	246.00
50	100ppm	SMD 562-956	481.00	328.00	260.00	204.00
50	100ppm	SMD 121-6220	481.00	328.00	260.00	204.00
50	50ppm	SMD 300-2937	641.00	398.00	323.00	246.00
50	50ppm	SMD 121-6207	641.00	398.00	323.00	246.00

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Mfrs. List. No	Order Code	Price Each
PG3000 Programmer	841-0631	39,309.00
SMD-Adapter for Programmer		
SC2000 SMD-Adapter for 5x7 Blanks	841-0640	4,377.00
SC2500 SMD-Adapter for 9x14 Blanks	841-0658	4,352.00
SC5320 SMD-Adapter for 3.2x5 Blanks	841-0666	4,741.00

FIPO™ Programmable Oscillators



- Create oscillators, at user specified frequency, within seconds, in the field
- Low Jitter
- Internal frequency reference for single step programming
- Frequency ranges available from 1MHz to 133MHz
- Oscillator characteristics selected via keypad and VCD display

Oscillators with identifier A7BR frequency ranges are available from ±50ppm over -40°C to +85°C, with identifier A5BC frequency ranges are available from ±25ppm over -20°C to +70°C.

Technical data		
Frequency range	1MHz -133MHz	(selectable)
Temp.-Stability	+50ppm or +25ppm	
Operating Temp.	-20°C - +70°C -40°C - 85°C	
Output	CMOS/TTL	
Voltage	Tristate/Power-Down Function	(selectable)
	3.3V or 5V	(selectable)

Order Code	Description
841-0674	5x7 Ceramic ±50ppm CMOS/TTL 3.3V/5V TS/PD
841-0682	5x7 Ceramic ±25ppm CMOS/TTL 3.3V/5V TS/PD
841-0690	9x14 Plastic ±50ppm CMOS/TTL 3.3V/5V TS/PD
841-0704	9x14 Plastic ±25ppm CMOS/TTL 3.3V/5V TS/PD
841-0712	DIL Half Size ±50ppm CMOS/TTL 3.3V/5V TS/PD
841-0720	DIL Half Size ±25ppm CMOS/TTL 3.3V/5V TS/PD
841-0739	DIL 14 ±50ppm CMOS/TTL 3.3V/5V TS/PD
841-0747	DIL 14 ±25ppm CMOS/TTL 3.3V/5V TS/PD
841-0755	3.2x5 Ceramic ±50ppm CMOS/TTL 3.3V/5V TS/PD
841-0763	3.2x5 Ceramic ±25ppm CMOS/TTL 3.3V/5V TS/PD

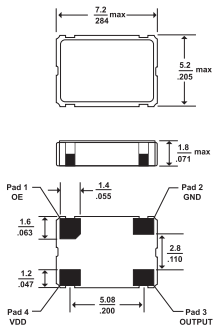
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Semiconductors - Integrated Circuits

Single Output Modules

S1903 Series

SMD - 3.3V Tri-state CMOS, HCMOS, Output



A series of crystal low-current oscillators in a sub-miniature, low profile leadless ceramic package with gold-plated contact pads.

Supply Voltage: 3.3V±10%
 Supply Current: 35mA max @ 3.3V
 Operating Temp.: 0°C to +70°C
 Output: 45/55% max @ 50% VDD @ 3.3V
 Rise & Fall Times: 2ns max 20% to 80% VDD

211011

Frequency MHz	Mfrs List No.	Order Code	1+	10+	100+	250+	+
80	S1903C-80.00-E	SMD 121-0012	1,624.00	1,439.00	1,209.00	937.00	--
100	S1903C-100.00-E	SMD 121-0015	1,624.00	1,439.00	1,209.00	937.00	--
112	S1903C-112.00-E	SMD 121-0017	1,624.00	1,439.00	1,209.00	937.00	--
120	S1903C-120.00-E	SMD 121-0018	1,624.00	1,439.00	1,209.00	937.00	--
125	S1903C-125.00	SMD 121-0019	1,624.00	1,439.00	1,209.00	937.00	--

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FIPO™ PG-3000 Programmer



Programmer



SMD Adapter

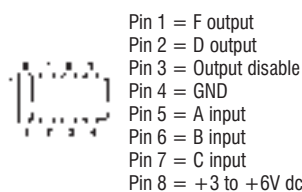
- PC-based Programmer
- USB-Connection
- Adapted for Microsoft Windows 98SE, ME, 2000 and XP
- Menu-led programming of blank oscillators
- Adapters for SMD packages available

380833

Programmable Crystal Oscillators

KINSEKI

8 pin DIL - HCMOS Output



These programmable crystal oscillators are housed in an 8 pin plastic DIL package. Each device has two outputs, the original crystal frequency and a divided output.

There is also an output disable control. The divider is controlled by three binary inputs as detailed on the table below.

Input		Output		Base Frequency (fo)							
C	B	A	F	D	12.0	14.31818	16.0	16.384	19.6608	20.0	MHz
L	L	L	fo	fo/2	6.0	7.15909	8.0	8.192	9.8304	10.0	MHz
L	L	H	fo	fo/4	3.0	3.579545	4.0	4.096	4.9152	5.0	MHz
L	H	L	fo	fo/8	1.5	1.789772	2.0	2.048	2.4576	2.5	MHz