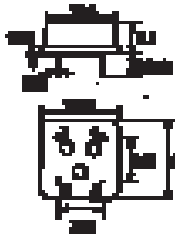


Crystal Oscillator Modules — continued

8 pin DIL - Universal Output with Enable/Disable



upto 5MHz
5MHz to 16MHz

Rise/fall times
15ns/15ns
10ns/10ns

Max. supply currents
20mA
30mA

Temperature range
Frequency stability
Duty Cycle

–45°C to +85°C (IND TEMP)
100ppm
45 to 55%

Pin 1 = Enable/Disable
Pin 4 = GND
Pin 5 = Output
Pin 8 = +5V DC

SEM585

Frequency MHz	Order Code	Price Each		
		1+	10+	100+
4.9152	101-310			
8.192	101-321			
12.288	101-333			
16.384	101-345			
24.576	101-357			

8 pin DIL - Universal Output with Enable/Disable

Pin configurations as above with Pin1 = Enable/Disable.



SEM420

Frequency MHz	Order Code	Price Each		
		1+	10+	100+
8.00	788-193			
10.0	788-200			
16.0	788-211			
20.0	788-223			
25.0	788-235			
32.0	788-247			
40.0	788-259			
50.0	788-260			

Single Output Modules

14 pin DIL — TTL Output



Single output oscillators, all metal hermetically sealed units with a TTL output which are designed to fit a standard 14 pin DIP layout. Package 4 pin.

Turn on/turn off time
Temperature range
Temperature stability

1MHz to 19.6608MHz – 10ns
20MHz to 50MHz – 5ns
0°C — 70°C.
±100ppm.

Max supply current
1MHz to 19.6608MHz – 30mA
20MHz to 25MHz – 40mA
30MHz to 50MHz – 50mA

Duty cycle
40 to 60% max.

SEM62

Frequency MHz	Order Code	Price Each		
		1+	10+	100+
1.0	177-410†			
3.6864	483-382			
4.0	170-235			
4.9152	175-622†			
6.0	170-236†			
8.0	175-623			
9.8304	177-415†			
10.0	170-237			
12.0	177-411†			
16.0	170-238†			
18.432	170-239†			
24.0	177-413†			
25.0	177-414			
32.0	177-416			
33.33	177-420†			
48.0	483-394†			
64.0	483-400†			

† Available until stocks are exhausted

14 pin DIL - Single Output Modules - HCMOS



Single output oscillators, all metal hermetically sealed units with a HCMOS output which are designed to fit a 14 pin DIP layout. Package 4 pin.

Output rise time
Output fall time
Temperature range
Temperature stability

5ns
5ns
0°C to 70°C
±100ppm

Max. supply current
Output load
Duty cycle

25mA
15pF
40 to 60%

SEM421

Frequency MHz	Order Code	Price Each		
		1+	10+	100+
1.00	788-429†			
4.00	788-340†			
8.00	788-351†			
10.0	788-363†			
16.0	788-375†			
20.0	788-387†			
25.0	788-399†			
32.0	788-405†			
50.0	788-417†			

† Available until stocks are exhausted

Single Output Modules
14 pin DIL — Universal Output



Single output oscillators in hermetically sealed 14 pin DIL packages.

Frequency Range MHz	Frequency Stability	Supply Voltage	Supply Current	Rise Time	Fall Time	Duty Cycle	Temp. Range
1MHz - 5MHz	±100ppm	5V±0.25V	30mA	15ns	15ns	45/55%	0 - +70°C
5MHz - 16MHz	±100ppm	5V±0.25V	15mA	10ns	10ns	45/55%	0 - +70°C
16MHz - 30MHz	±100ppm	5V±0.25V	30mA	10ns	10ns	45/55%	0 - +70°C
30MHz - 50MHz	±100ppm	5V±0.25V	40mA	8ns	8ns	45/55%	0 - +70°C
50MHz - 64MHz	±100ppm	5V±0.25V	50mA	8ns	8ns	40/60%	0 - +70°C

SEM628

Frequency MHz	Order Code	Price Each		
		1+	10+	100+
1.0	112-331			
1.8432	112-343			
2.0	112-355			
3.6864	112-367			
4.0	112-379			
4.096	112-380			
4.9152	112-392			
5.0	112-409			
6.0	121-277			
8.0	112-410			
9.8304	112-422			
10.0	112-434			
12.0	112-446			
12.288	112-458			
16.0	112-460			
18.432	112-471			
19.6608	112-483			
20.0	112-495			
24.0	112-501			
25.0	112-513			
30.0	112-525			
32.0	121-289			
33.33	112-537			
40.0	112-549			
48.0	112-550			
50.0	112-562			
64.0	112-574			
66.0	483-412			

Single Output Modules
14 pin DIL – Universal Output



As above (177-410 through to 483-400) with Universal Output (Both TTL and CMOS compatible)

SEM253

Frequency MHz	Order Code	Price Each		
		1+	10+	100+
1.0	574-090			
4.0	571-763			
8.0	571-775			
10.0	571-787			
16.0	571-799			
20.0	571-805			
25.0	571-817			
32.0	571-829			
40.0	571-830			
50.0	571-842			