

Oscillator SMD, programmable

APQO 5032

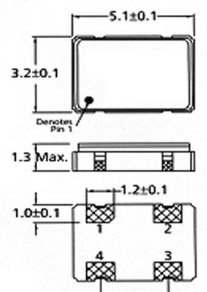
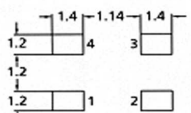
Features:

- SMD 5x3.2
- Low cost to performane
- 3.0 ~ 5.5 volt available
- Tolerance and stability to ± 25 ppm
- Ultra low jitter <11ps



Specifications		
	APQO 5032	Remarks
Frequency range	1 ~ 133MHz	Please specify
Frequency stability	± 25 ppm ~ ± 100 ppm	Please specify
Operating temperature	-0°C ~ +70°C - -40°C ~ +85°C	Please specify
Storage temperature	-55°C ~ +125°C	
Programmable voltage	1 ~ 133 MHz	4.0V ~ 5.5V
Programmable voltage	1 ~ 100 MHz	3.0V ~ 3.6V
Aging (ppm / Year), Ta = 25C, Vdd = 5 / 3.3 V		± 5 ppm
Programmable output level		CMOS / TTL

Operating conditions			
Description	Min	Max	Unit
Vdd Supply voltage	3.0	5.5	V
CTTL Max capacitive load on outputs for TTL levels	4.5 V ~ 5.5 V Vdd 40 MHz	50	pF
	4.5 V ~ 5.5 V Vdd > 40 ~ 133 MHz	25	pF
CCMOS Max capacitive load on outputs for CMOS levels	4.5 V ~ 5.5 V Vdd 66 MHz	50	pF
	4.5 V ~ 5.5 V Vdd > 66 ~ 133 MHz	25	pF
	3.0 V ~ 3.6 V Vdd 40 MHz	30	pF
	3.0 V ~ 3.6 V Vdd > 40 ~ 100 MHz	15	pF

Drawing											
APQO 5032											
											
RECOMMENDED SOLDERING PATTERN											
	<table border="1"> <thead> <tr> <th>PIN</th> <th>CONNECTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>E/D</td> </tr> <tr> <td>2</td> <td>GND</td> </tr> <tr> <td>3</td> <td>OUTPUT</td> </tr> <tr> <td>4</td> <td>*Vcc</td> </tr> </tbody> </table>	PIN	CONNECTION	1	E/D	2	GND	3	OUTPUT	4	*Vcc
PIN	CONNECTION										
1	E/D										
2	GND										
3	OUTPUT										
4	*Vcc										
Dimensions in mm											

Order key						
O	- 10.000000M	- APQO 5032	- 50	- 5.0	- D	- T
Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Opion
O=Oscillator	M=MHz	APQO= programmable QO APQO 5032=SMD 5x3,2	+/-ppm	5,0=5,0Volt 3,3=3,3Volt	A= 0°C - 70°C B=-10°C - 60°C C=-10°C - 70°C D=-20°C - 70°C E=-40°C - 85°C	T= Tristate X=Special options

Remarks: All specifications subject to change without notice!