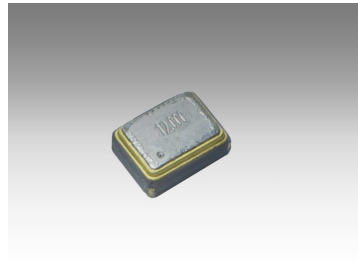


# Oscillator SMD, clock-type



**AQO 2520**

**Features:**

- Small size 2.5x2.0 mm
- Low cost to performance
- Pick and place assembly
- Low supply voltage version available

Specifications		AQO 2520	Remarks
Frequency range		4.0MHz ~ 50MHz	Please specify
Frequency stability *		±20ppm ~ ±50ppm	Please specify
Operating temperature		-40°C ~ +85°C	Please specify
Storage temperature		-55°C ~ +125°C	Others are offered
Input	Voltage	2.5V ±5%, 2.8V ±5%, 3.3V±10%	Please specify
	Current	10mA	Max
Output symmetry		40% ~ 60%	Please specify
Output	Rise and fall time	8 ns	Max
		CMOS / HCMOS	
	Logic "0" level	(10%VDD)	Max
	Logic "1" level	(90%VDD)	Min
Output load		15pF	

\* Inclusive of initial frequency tolerance at 25°C, operating temperature range, supply voltage change, load variation and 1st year aging.

**Drawing**

**AQO 2520**

P/N	1651
1	Enable/Disable*
2	GND
3	Output
4	VDD

Dimensions in mm

**Order key**

Part	Frequency	Type	Tolerance	Voltage	Temperature	Load	Option	Packaging
O	- 10.000000M	- AQO 2520	- 50	- 3.3	- A	-	/ T / TR	
O=Oscillator	M=MHz	AQO=Quartz oscillator AQO 2520=SMD 2.5x3.2	±ppm	3.3=3.3Volt 2.8=2.8Volt 2.5=2.5Volt	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	blank = 15pF	T=Tristate P=Power down	TR = tape + reeled