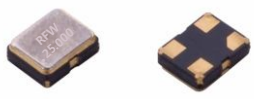
Crystal Oscillator SMD 2016

ROFENG WISDOM

Feature

- Typical 2.05x1.65x0.75 mm ceramic SMD package.
- Tight symmetry (45 to 55%) available.
- Operation voltage: 1.8V, 2.5V, 3.3V
- Packing: Tape & Reel,3000 pcs per Reel.



Size 2016

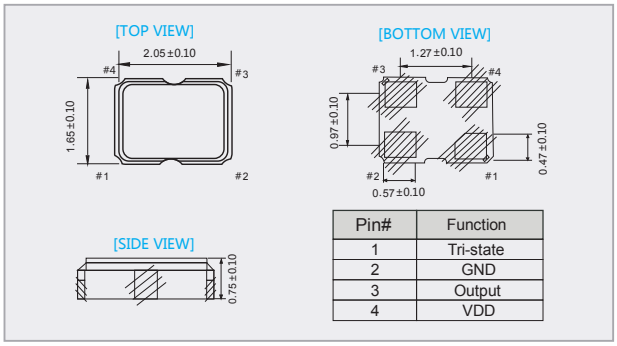
RoHS Compliant Pb REACH Compliant

Specifications

Parameter	3.3V		2.5V		1.8V		unit
	Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation (Vdd) 10%	2.97	3.63	2.25	2.75	1.62	1.98	V
Frequency Range	1	50	1	50	1	50	MHZ
Supply Current	—	15	—	10	—	7	mA
Duty Cycle	45	55	45	55	45	55	%
Output Level (CMOS)							
Output High (Logic"1")	2.97	—	2.25	—	1.62	—	V
Output Low (Logic"0")	—	0.33	—	0.25	—	0.18	
Transition Time: Rise/Fall Time+							
1 MHz ≤ Fo < 20 MHz	—	4	—	4	—	5	nSec
20 MHz ≤ Fo ≤ 50 MHz	—	3	—	3	—	4	
Star Time	—	2	—	2	—	2	mSec
Tri-State(Input to Pin 1)							
Enable (High voltage or flcaing)	2.31	—	1.75	—	1.26	—	V
Disable (Low voltage or GND)	—	0.99	—	0.75	—	0.54	
Period Jitter(Pk-Pk)	—	40	—	40	—	40	pSec
Rms Phase Jitter(Integrated 12 kHz-20 MHz)	—	1	—	1	—	1	pSec
Standby Current	—	10	—	10	—	10	uA
Aging(@ 25°C 1st year)	—	±3	—	±3	—	±3	ppm
Storage Temp. Range	-55	125	-55	125	-55	125	°C

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position
+Transition times are measured between 10% and 90% of Vdd, with an output load of 15pF.

Outline Drawing



Pin#	Function
1	Tri-state
2	GND
3	Output
4	VDD

Frequency Stability Vs. Temperature Range

Temp.(°C) \ Ppm	±20	±25	±50
−10 ~ +60	☺	☺	☺
−20 ~ +70	✚	☺	☺
−40 ~ +85	⊘	✚	☺

☺ Standard ✚ Available(case by case) ⊘ Not Available

Ordering Information

Part Number Guide

RFW OSC	O1 Package Size (mm)	33 Supply Voltage (V)	G Frequency Stability (ppm)	C Temp. Range (℃)	C Output Logic & Symmetry	1 Tri-State Function	- Dash	Freq. (Mhz)
	O1:2.0*1.6	XX=x.xV	C:±20 D:±25 E:±30 G:±50 H:±100	E:0~+70 C:-20~+70 L:-40~+85 X:-40~+105 Y:-40~+125	C:C-MOS 15pF 40/60 D:C-MOS 15pF 45/55	1:Fixed-Freq. with Tri-State 2:NC		XX.XXXXXX

Example RFWO133GCC1-26.000000MHz
Crystal Oscillator,RoHS Compliant, 2.0*1.6mm;Voltage=3.3V;Freq. Stability:+/-50ppm;Operating Temp. Range:-20~70°C;
C-MOS Output;With Tri-state;Freq. 26.000000MHz.
**Not all combinations of options are available.

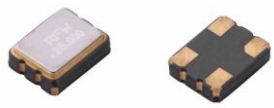
Crystal Oscillator

Crystal Oscillator SMD 2520

ROFENG WISDOM

Feature

- Typical 2.5X2.0X0.9 mm ceramic SMD package.
- Tight symmetry (45 to 55 %) available.
- Operation voltage: 1.8V, 2.5V, 3.3V
- Packing: Tape & Reel,3000 pcs per Reel.



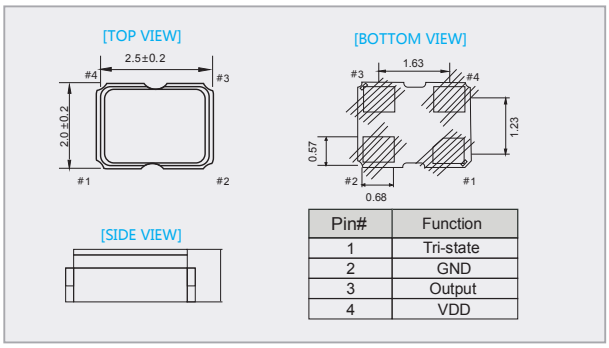
Size 2520

RoHS Compliant Pb REACH Compliant

Specifications

Parameter		3.3V		2.5V		1.8V		unit
		Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation (Vdd) 10%		2.97	3.63	2.25	2.75	1.62	1.98	V
Frequency Range		1	50	1	50	1	50	MHz
Supply Current		—	15	—	10	—	7	mA
Duty Cycle		45	55	45	55	45	55	%
Output Level (CMOS)	Output High (Logic"1")	90%VDD	—	90%VDD		90%VDD	—	V
	Output Low (Logic"0")	—	10%VDD	—	10%VDD	—	10%VDD	
Transition Time: Rise/Fall Time+		—						
1 MHz ≤ Fo < 20 MHz		—	3		4	—	5	nSec
20 MHz ≤ Fo < 50 MHz		—	2	—	3	—	4	
Star Time		—	2	—	2	—	2	mSec
Tri-State(Input to Pin 1)	Enable (High voltage or flcaing)	0.7VDD	—	0.7VDD	—	0.7VDD	—	V
	Disable (Low voltage or GND)	—	0.3VDD	—	0.3VDD	—	0.3VDD	
Period Jitter(Pk-Pk)		—	40	—	40	—	40	pSec
Rms Phase Jitter(Integrated 12 kHz-20 MHz)		—	1	—	1	—	1	pSec
Standby Current		—	15	—	15	—	15	uA
Aging(@ 25°C 1st year)		—	±3	—	±3	—	±3	ppm
Storage Temp. Range		-55	125	-55	125	-55	125	°C

Outline Drawing



Pin#	Function
1	Tri-state
2	GND
3	Output
4	VDD

Frequency Stability Vs. Temperature Range

Temp.(°C) \ Ppm	±20	±25	±50
−10 ~ +60	☺	☺	☺
−20 ~ +70	+	☺	☺
−40 ~ +85	⊘	+	☺

☺ Standard + Available(case by case) ⊘ Not Available

Ordering Information

Part Number Guide

RFW OSC	O2 Package Size (mm)	33 Supply Voltage (V)	G Frequency Stability (ppm)	C Temp. Range (℃)	C Output Logic & Symmetry	1 Tri-State Function	- Dash	Freq. (Mhz)
	O2:2.5*2.0	XX=x.xV	C:±20 D:±25 E:±30 G:±50 H:±100	E:0~+70 C:-20~+70 L:-40~+85 X:-40~+105 Y:-40~+125	**C:C-MOS 15pF 40/60** **D:C-MOS 15pF 45/55**	1:Fixed-Freq. with Tri-State 2:NC		XX.XXXXXX

Example RFWO233GCC1-20.000000MHz
Crystal Oscillator,RoHS Compliant, 2.5*2.0mm;Voltage=3.3V;Freq. Stability:+/-50ppm;Operating Temp. Range:-20~70°C;
C-MOS Output;With Tri-state;Freq. 20.000000MHz.
**Not all combinations of options are available.

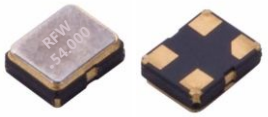
Crystal Oscillator

Crystal Oscillator SMD 3225

ROFENG WISDOM

Feature

- Typical 3.2X2.5X1.05 mm ceramic SMD package.
- Tight symmetry (45 to 55 %) available.
- Packing: Tape & Reel, 3000 pcs per Reel.



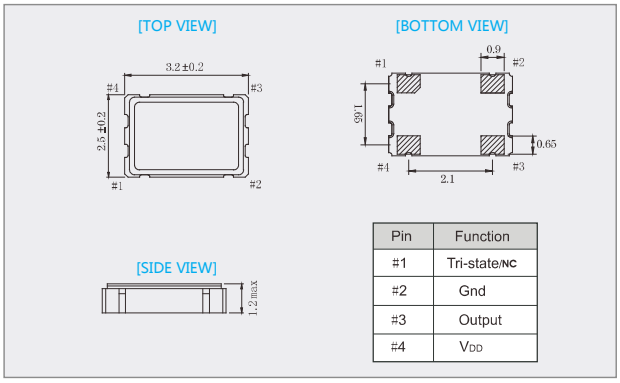
Size 3225

RoHS Compliant | Pb | REACH Compliant

Specifications

Parameter		3.3V		2.5V		1.8V		unit
		Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation (Vdd) 10%		2.97	3.63	2.25	2.75	1.62	1.98	V
Frequency Range		0.032768	125	0.032768	125	0.032768	125	MHZ
Supply Current	Fo=0.032768MHz	—	3	—	2	—	1.5	mA
	1 MHz ≤Fo < 100 MHz	—	15	—	10	—	7	
	100 MHz ≤Fo ≤ 125 MHz	—	25	—	20	—	12	
Duty Cycle		45	55	45	55	45	55	%
Output Level (CMOS)	Output High (Logic"1")	90%VDD	—	90%VDD	—	90%VDD	—	V
	Output Low (Logic"0")	—	10%VDD	—	10%VDD	—	10%VDD	
Transition Time: Rise/Fall Time+								
	Fo=0.032768MHz	—	50	—	50	—	50	nSec
	1 MHz ≤ Fo < 20 MHz	—	3	—	4	—	5	
	20 MHz ≤ Fo < 1.25 MHz	—	2	—	3	—	4	
Star Time			2	—	2	—	2	mSec
Tri-State(Input to Pin 1)	Enable (High voltage or flcaing)	0.7VDD	—	0.7VDD	—	0.7VDD	—	V
	Disable (Low voltage or GND)	—	0.3VDD	—	0.3VDD	—	0.3VDD	
Period Jitter(Pk-Pk)		—	40	—	40	—	40	pSec
Rms Phase Jitter(Integrated 12 kHz-20 MHz)		—	1	—	1	—	1	pSec
Standby Current		—	15	—	15	—	15	uA
Aging(@ 25°C 1st year)		—	±3	—	±3	—	±3	ppm
Storage Temp. Range		-55	125	-55	125	-55	125	°C

Outline Drawing



Pin	Function
#1	Tri-state/NC
#2	Gnd
#3	Output
#4	VDD

Frequency Stability Vs. Temperature Range

Temp.(°C) \ Ppm	±20	±25	±50
–10 ~ +60	☺	☺	☺
–20 ~ +70	+	☺	☺
–40 ~ +85	⊘	+	☺

☺ Standard + Available(case by case) ⊘ Not Available

Ordering Information

Part Number Guide

RFW OSC	O3 Package Size (mm)	33 Supply Voltage (V)	D Frequency Stability (ppm)	C Temp. Range (℃)	C Output Logic & Symmetry	1 Tri-State Function	- Dash	Freq. (Mhz)
	O3:3.2*2.5	XX=x.xV	C:±20 D:±25 E:±30 G:±50 H:±100	E:0~+70 C:-20~+70 L:-40~+85 X:-40~+105 Y:-40~+125	C:C-MOS 15pF 40/60 D:C-MOS 15pF 45/55	1:Fixed-Freq. with Tri-State 2:NC		XX.XXXXXX

Example RFWO333GCC1-125.000000MHz
Crystal Oscillator,RoHS Compliant, 3.2*2.5mm;Voltage=3.3V;Freq. Stability:+/-50ppm;Operating Temp. Range:-20~70°C;
C-MOS Output;With Tri-state;Freq. 125.000000MHz.
**Not all combinations of options are available.

Crystal Oscillator

Crystal Oscillator SMD 3225 PECL/LVDS

ROFENG WISDOM

Feature

- Industry Standard 3.2 x 2.5 x 0.9 hermetically sealed ceramic package.
- Very low jitter performance: typical 0.1 pS RMS from 12 kHz - 20 MHz.
- Tri-state enable/disable
- Up to 125°C operating temperature range.

Size 3225

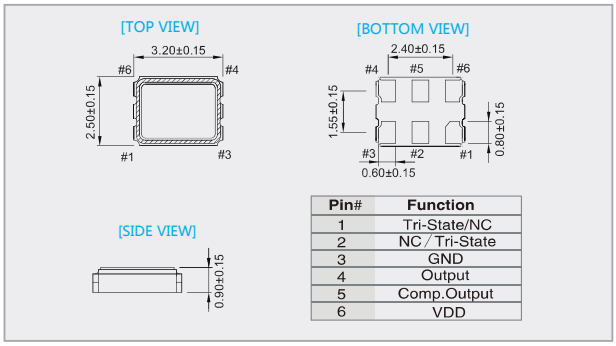
RoHS Compliant Pb REACH Compliant

Specifications

Parameter		PECL				LVDS				unit
		3.3 V		2.5 V		3.3 V		2.5 V		
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation (V_{DD})		VDD-5%	VDD+5%	VDD-5%	VDD+5%	VDD-5%	VDD+5%	VDD-5%	VDD+5%	V
Frequency Range		10	250	10	250	10	250	10	250	MHz
Supply Current	10 MHz ≦ Fo < 160 MHz	–	75	–	75	–	50	–	50	mA
	160 MHz ≦ Fo < 250 MHz	–	100	–	100	–	50	–	50	
Output Level	Output High	2.275	–	1.475	–	–	1.6	–	1.6	V
	Output Low	–	1.68	–	0.88	0.9	–	0.9	–	
Transition Time: Rise/Fall Time+		–	1.0	–	1.0	–	1.0	–	1.0	nSec
Start Time		–	3	–	3	–	3	–	3	mSec
Tri-State(Input to Pin 2 or Pin 1)										
	Enable (High voltage or floating)	2.31	–	1.75	–	2.31	–	1.75	–	V
	Disable (Low voltage or GND)	–	0.99	–	0.75	–	0.99	–	0.75	
RMS Phase Jitter (Integrated 12 KHz ~ 20 MHz)										
	Fo < 80 MHz	–	1	–	1	–	1	–	1	pSec
	80 MHz ≦ Fo <125 MHz	–	0.5	–	0.5	–	0.5	–	0.5	
	125 MHz ≦ Fo <170 MHz	–	0.3	–	0.3	–	0.3	–	0.3	
	170 MHz ≦ Fo <200 MHz	–	0.5	–	0.5	–	0.5	–	0.5	
	200 MHz ≦ Fo	–	0.3	–	0.3	–	0.3	–	0.3	
Phase Noise@ 156.25 MHz	100 Hz	-95		-90		-90		-90		dBc/Hz
	1 kHz	-125		-125		-120		-120		
	10 kHz	-140		-140		-140		-140		
Aging (@ 25°C 1st year)		–	±3	–	±3	–	±3	–	±3	ppm
Storage Temp. Range		-55	125	-55	125	-55	125	-55	125	°C

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.
+ Transition times are measured between 20% and 80% of V_{DD}.

Outline Drawing



Pin#	Function
1	Tri-State/NC
2	NC / Tri-State
3	GND
4	Output
5	Comp.Output
6	VDD

Frequency Stability Vs. Temperature Range

Temp.(°C) \ Ppm	±25	±50
–10 ~ +60	☺	☺
–20 ~ +70	☺	☺
–40 ~ +85	✚	☺
–40 ~ +125	⊘	☺

☺ Standard ✚ Available(case by case) ⊘ Not Available

Ordering Information

Part Number Guide

RFW OSC	O3A Package Size (mm)	33 Supply Voltage (V)	G Frequency Stability (ppm)	C Temp. Range (℃)	V Output Logic & Symmetry	1 Tri-State Function	- Dash	Freq. (Mhz)
	O3:3.2x2.5	XX=x.xV	C:±20 D:±25 E:±30 G:±50 H:±100	E:0~+70 C:-20~+70 L:-40~+85 X:-40~+105 Y:-40~+125	L : PECL/50±5% V : LVDS/50±5%	1:Fixed-Freq. with Tri-State 2:NC		XX.XXXXXX

Example RFWO3A33GCV1-26.00000MHz
Crystal Oscillator,RoHS Compliant,3.2*2.5mm ;Voltage=3.3V;Freq. Stability:+/-50ppm;Operating Temp. Range:-20~70°C;
LVDS Output;With Tri-state;Freq. 26.000000MHz.
**Not all combinations of options are available.

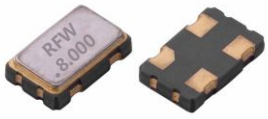
Crystal Oscillator

Crystal Oscillator SMD 5032

ROFENG WISDOM

Feature

- Typical 5.0 x 3.2 x 1.2mm ceramic SMD package.
- Tight symmetry (45 to 55 %) available.
- Packing: Tape & Reel,1000 pcs per Reel.



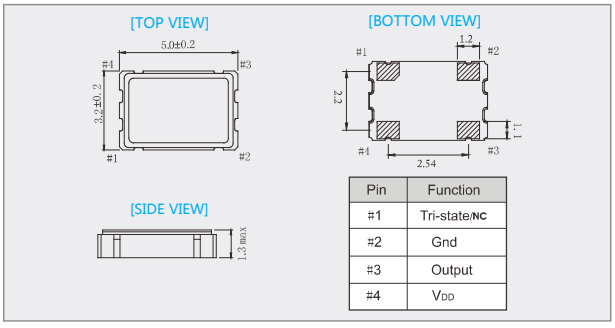
Size 5032

RoHS Compliant Pb REACH Compliant

Specifications

Parameter	3.3V		2.5V		1.8V		unit
	Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation (Vdd) 10%	2.97	3.63	2.25	2.75	1.62	1.98	V
Frequency Range	0.0137	125	0.0137	133	0.0137	125	MHz
Supply Current							
13.7 kHz ≤Fo≤93kHz	—	1	—	0.5	—	0.1	mA
0.3125 MHz ≤Fo<50 MHZ(A1)	—	10	—	8	—	7	
40 MHz ≤Fo<70MHz	—	20	—	18	—	15	
75 MHz ≤Fo≤133 MHZ	—	35	—	30	—	25	
133 MHz ≤Fo	—	45	—	40	—	—	
Output Level(CMOS) Output High (Logic"1")	90%VDD	—	90%VDD	—	90%VDD	—	V
Output Low (Logic"0")	—	10%VDD	—	10%VDD	—	10%VDD	
Transition Time: Rise/Fall Time+							
13.7 kHz ≤ Fo ≤93 MHz	—	50	—	50	—	50	nSec
0.3125 MHz ≤ Fo < 100 MHz	—	5	—	5	—	5	
100 MHz ≤ Fo	—	3	—	3	—	3	
Star Time	—	5	—	5	—	5	mSec
Output Drive Capability(CL)	—	15	—	15	—	15	pF
Tri-State(Input to Pin 1)							
Enable (High voltage or flcaing)	0.7VDD	—	0.7VDD	—	0.7VDD	—	V
Disable (Low voltage or GND)	—	0.3VDD	—	0.3VDD	—	0.3VDD	
Period Jitter(Pk-Pk)	—	40	—	40	—	40	pSec
Rms Phase Jitter(Integrated 12 kHz-20 MHz)	—	1	—	1	—	1	pSec
Standby Current	—	10	—	10	—	10	uA
Aging(@ 25°C 1st year)	—	±3	—	±3	—	±3	ppm
Storage Temp. Range	-55	125	-55	125	-55	125	°C

Outline Drawing



Pin	Function
#1	Tri-state/NC
#2	Gnd
#3	Output
#4	VDD

Frequency Stability Vs. Temperature Range

Temp.(°C) \ Ppm	±20	±25	±50
−10 ~ +60	☺	☺	☺
−20 ~ +70	+	☺	☺
−40 ~ +85	⊘	+	☺

☺ Standard + Available(case by case) ⊘ Not Available

Ordering Information

Part Number Guide

RFW OSC	O5 Package Size (mm)	33 Supply Voltage (V)	D Frequency Stability (ppm)	C Temp. Range (℃)	C Output Logic & Symmetry	1 Tri-State Function	- Dash	Freq. (Mhz)
	O5:5.0*3.2	XX=x.xV	C:±20 D:±25 E:±30 G:±50 H:±100	E:0~+70 C:-20~+70 L:-40~+85 X:-40~+105 Y:-40~+125	C:C-MOS 15pF 40/60 D:C-MOS 15pF 45/55	1:Fixed-Freq. with Tri-State 2:NC		XX.XXXXXX

Example RFWO533GCC1-125.000000MHz
Crystal Oscillator,RoHS Compliant,5.0*3.2mm;Voltage=3.3V;Freq. Stability:+/-50ppm;Operating Temp. Range:-20~70°C;
C-MOS Output;With Tri-state;Freq. 125.000000MHz.
**Not all combinations of options are available.

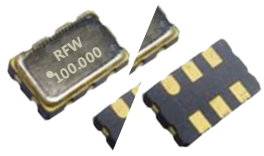
Crystal Oscillator

Crystal Oscillator SMD 5032 PECL/LVDS

ROFENG WISDOM

Feature

- Typical 5.0 x 3.2 x 1.25 mm hermetically sealed ceramic package.
- Very low jitter performance: typical 0.3 pS RMS from 12 k - 20 MHz.
- Operating temperature up to 125°C
- Tri-state enable/disable



Size 5032

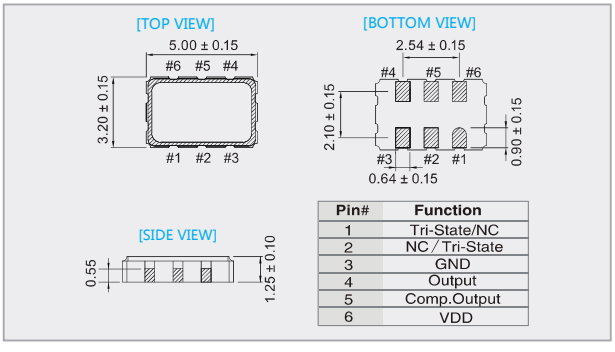
RoHS Compliant Pb REACH Compliant

Specifications

Parameter		PECL 3.3 V Min.	PECL 3.3 V Max.	PECL 2.5 V Min.	PECL 2.5 V Max.	LVDS 3.3 V Min.	LVDS 3.3 V Max.	LVDS 2.5 V Min.	LVDS 2.5 V Max.	unit
Supply Voltage Variation (V_{DD})		VDD-5%	VDD+5%	VDD-5%	VDD+5%	VDD-5%	VDD+5%	VDD-5%	VDD+5%	V
Frequency Range		10	320	10	320	10	320	10	320	MHz
Supply Current	10 MHz ≦ Fo < 160 MHz	–	75	–	75	–	50	–	50	mA
	160 MHz ≦ Fo < 250 MHz	–	100	–	100	–	50	–	50	
	250 MHz ≦ Fo < 320 MHz	–	100	–	100	–	65	–	65	
Output Level	Output High	2.275	–	1.475	–	–	1.6	–	1.6	V
	Output Low	–	1.68	–	0.88	0.9	–	0.9	–	
Transition Time: Rise/Fall Time+		–	1.0	–	1.0	–	1.0	–	1.0	nSec
Start Time		–	3	–	3	–	3	–	3	mSec
Tri-State(Input to Pin 2 or Pin 1)										
	Enable (High voltage or floating)	2.31	–	1.75	–	2.31	–	1.75	–	V
	Disable (Low voltage or GND)	–	0.99	–	0.75	–	0.99	–	0.75	
RMS Phase Jitter (Integrated 12 KHz ~ 20 MHz)										
	Fo < 80 MHz	–	1	–	1	–	1	–	1	pSec
	80 MHz ≦ Fo <125 MHz	–	0.5	–	0.5	–	0.5	–	0.5	
	125 MHz ≦ Fo <170 MHz	–	0.3	–	0.3	–	0.3	–	0.3	
	170 MHz ≦ Fo <200 MHz	–	0.5	–	0.5	–	0.5	–	0.5	
	200 MHz ≦ Fo	–	0.3	–	0.3	–	0.3	–	0.3	
Phase Noise@ 156.25 MHz	100 Hz	-95		-90		-90		-90		dBc/Hz
	1 kHz	-125		-125		-120		-120		
	10 kHz	-140		-140		-140		-140		
Aging (@ 25°C 1st year)		–	±3	–	±3	–	±3	–	±3	ppm
Storage Temp. Range		-55	125	-55	125	-55	125	-55	125	°C

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.
+ Transition times are measured between 20% and 80% of V_{DD}.

Outline Drawing



Pin#	Function
1	Tri-State/NC
2	NC / Tri-State
3	GND
4	Output
5	Comp.Output
6	VDD

Frequency Stability Vs. Temperature Range

Temp.(°C) \ Ppm	±25	±50
–10 ~ +60	☺	☺
–20 ~ +70	☺	☺
–40 ~ +85	+	☺
–40 ~ +125	⊘	☺

☺ Standard + Available(case by case) ⊘ Not Available

Ordering Information

Part Number Guide

RFW OSC	O5W Package Size (mm)	33 Supply Voltage (V)	G Frequency Stability (ppm)	C Temp. Range (℃)	V Output Logic & Symmetry	1 Tri-State Function	- Dash	Freq. (Mhz)
	O5:5.0x3.2	XX=x.xV	C:±20 D:±25 E:±30 G:±50 H:±100	E:0~+70 C:-20~+70 L:-40~+85 X:-40~+105 Y:-40~+125	L : PECL/50±5% V : LVDS/50±5%	1:Fixed-Freq. with Tri-State 2:NC		XX.XXXXXX

Example RFWO5W33GCV1-26.000000MHz
Crystal Oscillator,RoHS Compliant,5.0*3.2mm ;Voltage=3.3V;Freq. Stability:+/-50ppm;Operating Temp. Range:-20~70°C;
LVDS Output;With Tri-state;Freq. 26.000000MHz.
**Not all combinations of options are available.

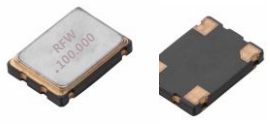
Crystal Oscillator

Crystal Oscillator SMD 7050

ROFENG WISDOM

Feature

- Typical 7. 0 x 5.0 x 1.3 mm ceramic SMD package.
- Tight symmetry (45 to 55 %) available.
- Packing: Tape & Reel,1000pcs per Reel.
- Application：WLAN;xDSL;Fiber/10G Net Ethernet;PDA;Netbook;Base Station,VGA Card.



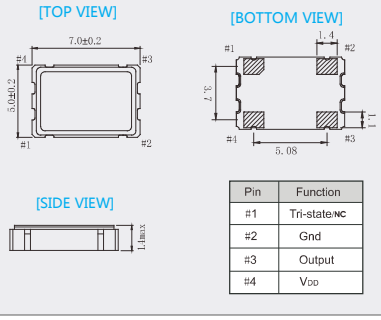
Size 7050

RoHS Compliant | Pb | REACH Compliant

Specifications

Parameter		3.3V		2.5V		1.8V		unit
		Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation (Vdd) 10%		2.97	3.63	2.25	2.75	1.62	1.98	V
Frequency Range		0.0137	166	0.0137	133	0.0137	125	MHz
Supply Current								
	13.7 kHz<Fo<70kHz	—	1	—	0.5	—	0.1	mA
	0.3125 MHz<Fo<35.328 MHZ(A1)	—	10	—	8	—	7	
	30 MHz<Fo<75MHz	—	20	—	18	—	15	
	75 MHz<Fo<133 MHZ	—	35	—	30	—	25	
	133 MHz<Fo	—	45	—	40	—	—	
Output Level(CMOS)	Output High (Logic"1")	90%VDD	—	90%VDD	—	90%VDD	—	V
	Output Low (Logic"0")	—	10%VDD	—	10%VDD	—	10%VDD	
Transition	**Time: Rise/Fall Time+**							
	13.7 kHz ≤ Fo <70 KHz	—	50	—	50	—	50	nSec
	0.3125 MHz ≤ Fo < 100 MHz	—	5	—	5	—	5	
	100 MHz ≤ Fo	—	3	—	3	—	3	
Star Time		—	5	—	5	—	5	nSec
Output Drive Capability(CL)		—	15	—	15	—	15	pF
Tri-State(Input to Pin 1)	Enable (High voltage or flcaing)	0.7VDD	—	0.7VDD	—	0.7VDD	—	V
	Disable (Low voltage or GND)	—	0.3VDD	—	0.3 VDD	—	0.3VDD	
Period Jitter(Pk-Pk)		—	40	—	40	—	0.54	pSec
Rms Phase Jitter(Integrated 12 kHz-20 MHz)		—	1	—	1	—	1	pSec
Standby Current		—	10	—	10	—	10	uA
Aging(@ 25°C 1st year)		—	±3	—	±3	—	±3	ppm
Storage Temp. Range		-55	125	-55	125	-55	125	°C

Outline Drawing



Pin	Function
#1	Tri-state/NC
#2	Gnd
#3	Output
#4	VDD

Frequency Stability Vs. Temperature Range

Temp.(°C) \ Ppm	±20	±25	±50
–10 ~ +60	☺	☺	☺
–20 ~ +70	✚	☺	☺
–40 ~ +85	⃠	✚	☺

☺ Standard ✚ Available(case by case) ⃠ Not Available

Ordering Information

Part Number Guide

RFW OSC	O7 Package Size (mm)	33 Supply Voltage (V)	D Frequency Stability (ppm)	C Temp. Range (°C)	C Output Logic & Symmetry	1 Tri-State Function	- Dash	Freq. (Mhz)
	O7:7.0*5.0	XX=x.xV	C:±20 D:±25 E:±30 G:±50 H:±100	E:0~+70 C:-20~+70 L:-40~+85 X:-40~+105 Y:-40~+125	C:C-MOS 15pF 40/60 D:C-MOS 15pF 45/55	1:Fixed-Freq. with Tri-State 2:NC		XX.XXXXXX

Example RFWO733GCC1-125.000000MHz
Crystal Oscillator,RoHS Compliant ,7.0*5.0mm;Voltage=3.3V;Freq. Stability:+/-50ppm;Operating Temp. Range:-20~70°C;
C-MOS Output;With Tri-state;Freq. 125.000000MHz.
**Not all combinations of options are available.

Crystal Oscillator