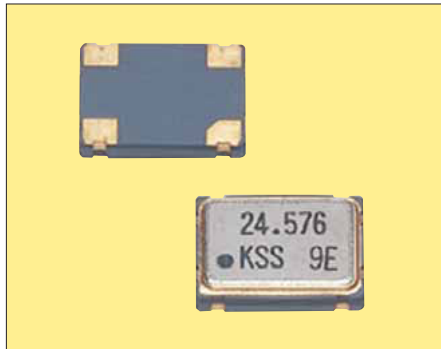




Pb Free

RoHS Comforming

Features

- Surface mount type suitable for auto pick-and-place.
- Reflow soldering compatible.
- CMOS, TTL IC direct drive is possible.
- With tri-state function
- Broad frequency range from 1.8MHz to 50MHz.
- Supply voltage $V_{DD}=3.3 / 5.0V$ available

Applications

- Digital electronics
- Amusement
- Audio visual
- Factory automation

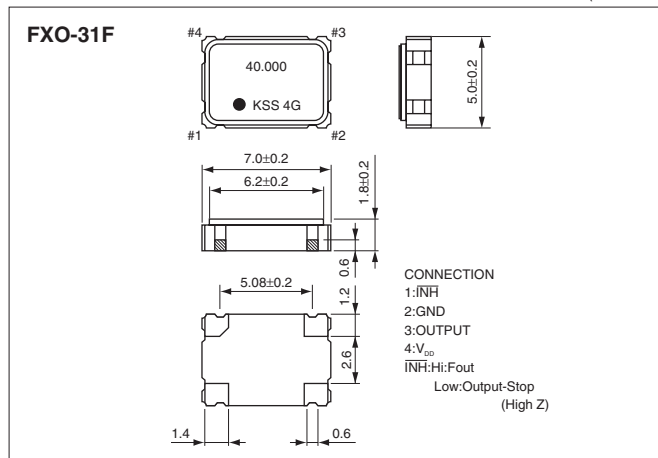
Specifications

Item	Symbol	Specifications		Units
		FXO-31FH	FXO-31FL	
Output Frequency Range	F _{OUT}	1.8 ~ 50		MHz
Frequency Stability(overall)	F _{SBY}	±30		ppm
		±50		
		±100		
Storage Temp. Range	T _{STG}	−40 ~ +85		°C
Operating Temp. Range	T _{OPR}	−10 ~ +70		°C
Max. Supply Voltage	—	7.0 Max	7.0 Max	Volt
Supply Voltage	V _{DD}	5 ± 0.5	3.3 ± 0.3	Volt
Current Consumption (Maximum Loaded)	I _{DD} /I _{DE}	25 Max (1.8 ~ 15MHz)	18 Max (1.8 ~ 39.9MHz)	mA
		30 Max (15.1 ~ 32MHz)	25 Max (40 ~ 50MHz)	
		45 Max (32.1 ~ 50MHz)		
Standby/Disable Current	I _{ST} /I _{DE}	10 Max		mA
Duty Ratio	SYM	40 ~ 60 @50% V _{DD}		%
Rise/Fall Time	T _r /T _f	10 Max		nS
Output Voltage-"L"	V _{OL}	10% V _{DD} Max		Volt
Output Voltage-"H"	V _{OH}	90% V _{DD} Min		Volt
Output Load	CL	50(Max)	20(Max)	pF
Input Voltage Range	V _{IN}	0 to V _{DD}	0 to V _{DD}	Volt
Input Voltage-"L"	V _{IL}	0.8 Max	0.3 Max	Volt
Input Voltage-"H"	V _{IH}	2.2 Min	2.2 Min	Volt
Disable Time	—	150 Max		nS
Enable Time	—	5 Max		mS
Start-up Time	ST	10 Max		mS

Note: Please contact us for inquiries about extended operating temperature range, available frequencies and other conditions.
All electrical characteristics are defined at the maximum load and operating temperature range.

Dimensions

(Unit : mm)



Recommended Land Pattern

(Unit : mm)

