Clock OSC

SG7050CAN

Product name SG7050CAN Product Number / Ordering code

66.666600 MHz TJGA X1G0044810136xx

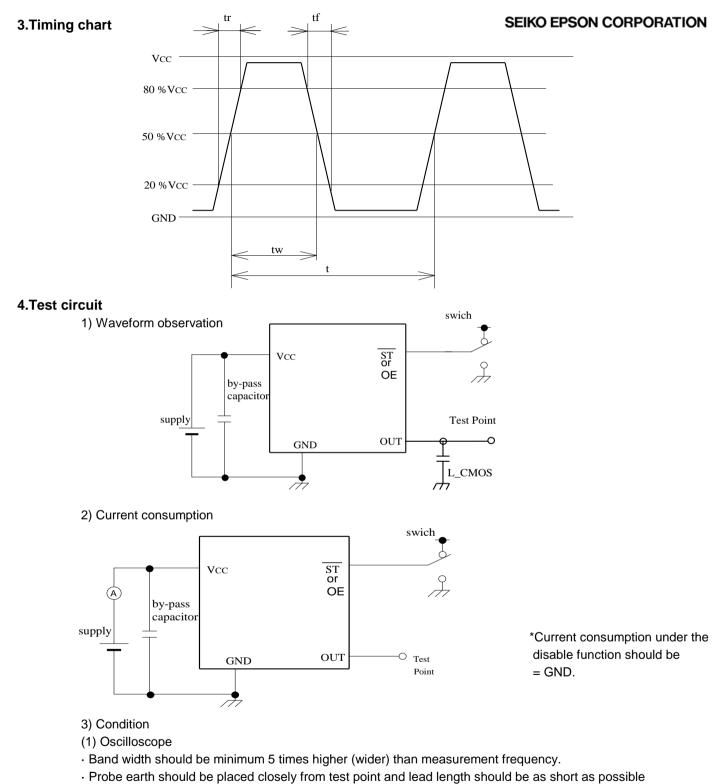
Please refer to the 8.Packing information about xx (last 2 digits)

Output waveform CMOS

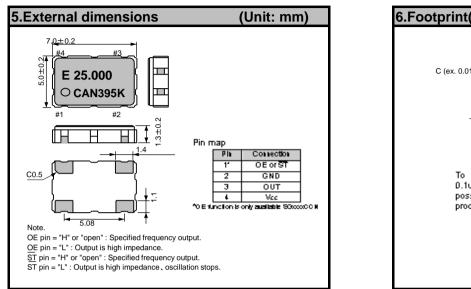
Pb free / Complies with EU RoHS directive Reference weight Tvp. 147 mg

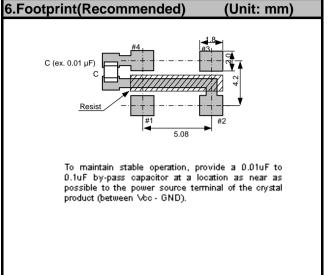
Reference weight Typ. 147 mg						
1.Absolute maximum ratings	i					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Maximum supply voltage	Vcc-GND	-0.3	-	4	V	-
Storage temperature	T_stg	-40	-	+125	°C	Storage as single product
Input voltage	Vin	-0.3	-	Vcc+0.3	V	ST terminal

2.Specifications(characte	ristics)					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Output frequency	fO		66.6666		MHz	
Supply voltage	Vcc	1.6	-	3.63	V	-
Operating temperature	T_use	-40	-	+85	٥C	-
Frequency tolerance	f_tol	-50	-	50	x10 ⁻⁶	T_use
Current consumption	lcc	-	-	3	mA	No load condition
Stand-by current	I_std	-	-	2.7	μA	ST = GND
Disable current	l_dis	-	-	-	mA	-
Symmetry	SYM	45	-	55	%	50% Vcc Level L_CMOS=<15pF
Output voltage	V _{OH}	Vcc-0.4	-	-		-
	V _{OL}	-	-	0.4		-
Output load condition	L_CMOS	-	-	15	pF	CMOS Load
Input voltage	V _{IH}	0.8Vcc	-	-		ST terminal
	V _{IL}	-	-	0.2Vcc		ST terminal
Rise time	t _r	-	-	4	ns	Vcc1.6V : 0.2Vcc to 0.8Vcc Level, L_CMOS=15pF
Fall time	tf	-	-	4	ns	Vcc1.6V : 0.2Vcc to 0.8Vcc Level, L_CMOS=15pF
Start-up time	t str	_	-	3	ms	t = 0 at 0.9Vcc
Jitter	t _{DJ}	-	0	-	ps	Deterministic Jitter Vcc=3.3V
	t _{RJ}	-	2.4	-	ps	Random Jitter Vcc=3.3V
	t _{RMS}	-	2.3	-	ps	δ(RMS of total distribution) Vcc=3.3V
	t _{p-p}	-	20	-	ps	Peak to Peak Vcc=3.3V
	t _{acc}	-	2.5	-	ps	Accumulated Jitter(δ) n=2 to 50000 cycles, Vcc=3.3V
Phase jitter	t _{PJ}	-	0.16	-	ps	Off set Frequency: 12kHz to 20MHz, Vcc=3.3V
Phase noise	L(f)	-	-	-	dBc/Hz	-
	.,	-	-87	-	dBc/Hz	Off set 10Hz Vcc=3.3V
		-	-117	-	dBc/Hz	Off set 100Hz Vcc=3.3V
		-	-142	-	dBc/Hz	Off set 1kHz Vcc=3.3V
		-	-153	-	dBc/Hz	Off set 10kHz Vcc=3.3V
		-	-157	-	dBc/Hz	Off set 100kHz Vcc=3.3V
		-	-158	-	dBc/Hz	Off set 1MHz Vcc=3.3V
Frequency aging	f_age	-3	-	3	x10 ⁻⁶	@+25°C first year
	-	-	-	-		-

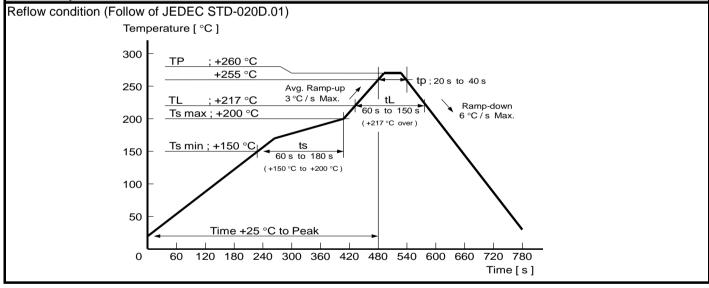


- * Recommendable to use miniature socket. (Don't use earth lead.)
- (2) L_CMOS also includes probe capacitance.
- (3) By-pass capacitor (0.01 µF to 0.1 µF) is placed closely between VCC and GND.
- (4) Use the current meter whose internal impedance value is small.
- (5) Power supply
- \cdot Start up time (0 %VCC to 90 %VCC) of power source should be more than 150 $\mu s.$
- \cdot Impedance of power supply should be as lowest as possible.





7.Reflow profile

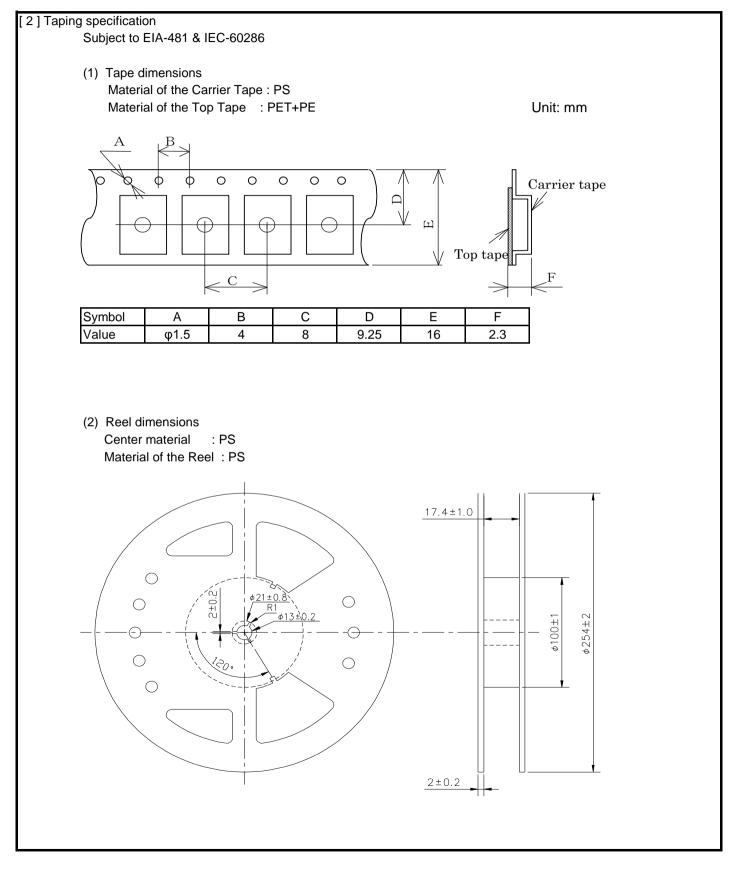


8.Packing information

[1] Product number last 2 digits code(xx) description

The recommended code is "00"

Code	Condition	Code	Condition
01	Any Q'ty vinyl bag(Tape cut)	13	500pcs / Reel
11	Any Q'ty / Reel	00	1000pcs / Reel
12	250pcs / Reel		



9.Notice

- · This material is subject to change without notice.
- Any part of this material may not be reproduced or duplicated in any form or any means without the written permission of Seiko Epson.
- The information about applied data, circuitry, software, usage, etc. written in this material is intended for reference only.

Seiko Epson does not assume any liability for the occurrence of customer damage or infringing on any patent or copyright of a third party.

- This material does not authorize the licensing for any patent or intellectual copyrights.
- When exporting the products or technology described in this material, you should comply with the applicable export control laws and regulations and follow the procedures required by such laws and regulations.
- You are requested not to use the products (and any technical information furnished, if any) for the development and/or manufacture of weapon of mass destruction or for other military purposes. You are also requested that you

would not make the products available to any third party who may use the products for such prohibited purposes.

- These products are intended for general use in electronic equipment. When using them in specific applications that require
- extremely high reliability, such as the applications stated below, you must obtain permission from Seiko Epson in advance.
- / Space equipment (artificial satellites, rockets, etc.)
- / Transportation vehicles and related (automobiles, aircraft, trains, vessels, etc.)
- / Medical instruments to sustain life
- / Submarine transmitters
- / Power stations and related
- / Fire work equipment and security equipment
- / Traffic control equipment
- / And others requiring equivalent reliability.

10.Contact us

http://www5.epsondevice.com/en/contact/

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for epson manufacturer:

Other Similar products are found below :

MA-505 24.0000M-C3 ROHS MC-405 32.7680K-G3: ROHS S5U13L02P00C100 S5U13U11P00C100 SG5032CAN 10.000000M-TJGA3 SG5032VAN 200.000000M-KEGA3 SG-210STF 2.0480ML3 SG-531P 7.3728MC:ROHS X1G0044810005 SG7050CAN 10 MHZ S5U1C31W74T1300 S5U1C17W04T2100 IC Socket for 7050 case SG-210STF 40.0000ML TSX-3225 26.0000MF10Z-B6 EG-2121CA 200.0000M-LGPNB S5U13513P00C100 SG-210STF 13.5600ML3 Q3851CA000055 XG-1000CA 50 MHZ EG-2121CA 644.53125MLGPA RX-8564LC:B3 PURE SN M160 MA-506 4.0000M-C3 ROHS EG-2121CA2000000M-LGPAL3 S5U13U00P00C100 FA-118T 52.0000ME12Z-AC3 SG-Writer-II S5U1C17001H3100 S5U13513R00C100 IC Socket for 5032 case FC-13A 32.7680KA-A SG-210STF 4.0960ML S5U13517P00C200 S5U13748P00C100 S5U1C17W18T2100 SG-310SCF 20.0000MM S5U13781R01C100 MA-506 25.0000M-C3:ROHS S5U1C17M13T2100 S5U1C17M13T1100 FA-238 25.0000MB50X-C3 RX-8803LC:UB3 PURE SN SG-3030LC 32.7680KB3, PURE SN SG-615P 8.0000MC3: ROHS Q3102JF010001 SG-3030JF 32.768KHZ B M150 S5U1C17W15T2100 FC-135 32.7680KA-K0 XG-2121CA 156.2500M-PGSNB FA-128 25.0000MF20X-WX MA-40620.0000M-C:ROHS