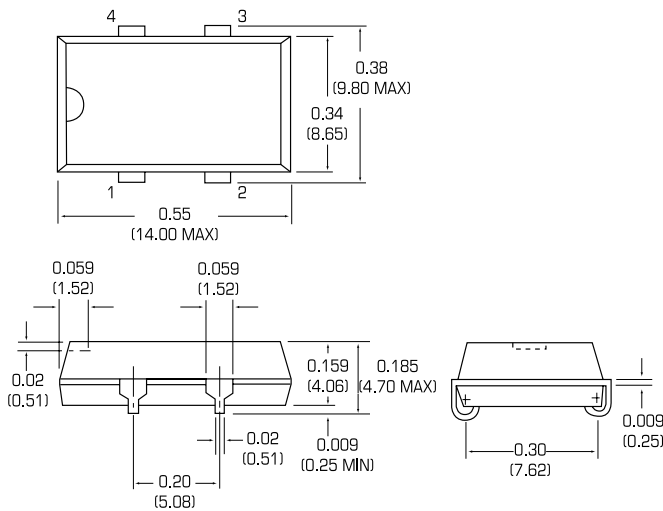


"J" LEADED SMD CRYSTAL CLOCK OSCILLATORS

**MODEL CN 3.3VDC
CP 5.0VDC**

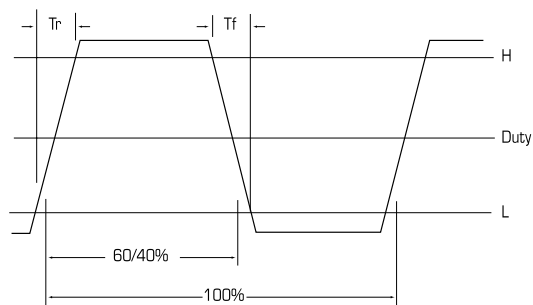
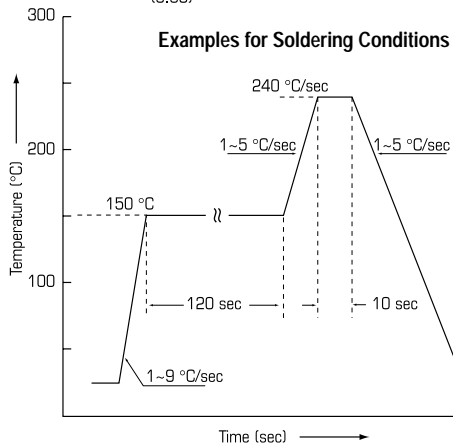
Model	CN	CP
Frequency Range	1.0MHz ~ 70.000MHz	1.0MHz ~ 70.000MHz
Frequency Stability	100ppm Standard, Optional Tolerances Available	100ppm Standard, Optional Tolerances Available
Operating Temperature Range	0°C ~ +70°C Extended Temperature Ranges Available	0°C ~ +70°C Extended Temperature Ranges Available
Storage Temperature Range	-55°C ~ +125°C	-55°C ~ +125°C
Current Consumption	1.0MHz to 20.0MHz : 5mA ~ 15mA 20.0MHz to 70.0MHz : 15 mA ~ 40mA Max	1.0MHz to 20.0MHz : 5mA ~ 15mA 20.0MHz to 70.0MHz : 15 mA ~ 40mA Max
Supply Voltage	+ 3.3VDC ± 10%	+ 5.0VDC ± 10%
Symmetry	60/40 @ 50% Vcc Optional Tolerances Available	60/40 @ 50% Optional Tolerances Available
Rise & Fall Time (Tr, Tf)	5nSec Max	6nSec Max
Logic "1"	2.9VDC Min	4.5VDC Min
Logic "0"	0.5VDC Max	0.5VDC Max
Output Load	10 TTL / 15pF	10 TTL / 15pF
Aging	< 5ppm per year	< 5ppm per year
Enable Input (optional)	Enable - Logic "1" 2.0VDC Min Disable - Logic "0" 0.5VDC Max	Enable - Logic "1" 2.0VDC Min Disable - Logic "0" 0.5VDC Max

DIMENSIONS Inches
(mm)



CN "J" Lead SMD	
#1	N.C. or E/D (TriState)
#2	GND
#3	OUTPUT
#4	3.3VDC ± 10%

CP "J" Lead SMD	
#1	N.C. or E/D (TriState)
#2	GND
#3	OUTPUT
#4	5VDC ± 10%



	Tr	Tf	L	H	Duty
TTL	0.4-2.4V	2.4-0.4V	0.4V	2.4V	1.4V
COMS	0.5-4.5V	4.5-0.5V	COMS	20%	80%