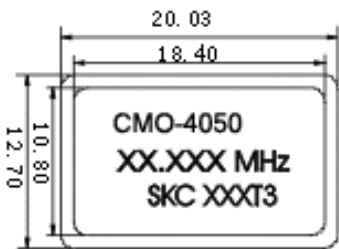


# SPECIFICATION

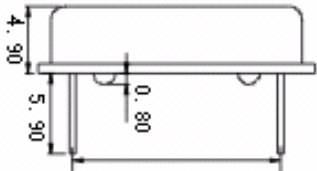
FREQUENCY RANGE	(Fo)	9.0-125.0 MHz	
Output Type		CMOS	
Temperature stability	( f/fo)	A= ±25ppm, b= ±50ppm, C=±100ppm	
OPERATING TEMPERATURE RANGE	(T <sub>OPR</sub> )	0 -70 , -40 - +85 (Available)	
STORAGE TEMPERATURE RANGE	(T <sub>STG</sub> )	-55 - +125	
POWER SUPPLY VOLTAGE	(V <sub>DD</sub> )	5V <sub>DC</sub> ±0.5V <sub>DC</sub>	3.3V <sub>DC</sub> ±0.3V <sub>DC</sub>
AGING(at 25 )		±5ppm/year Max	
SUPPLY CURRENT	(I <sub>DD</sub> )	1.00to 20.0 20mA Max 21.0 to 35.0 30mA Max 36.0 to 50.0 40mA Max 51.0 to 125.0 55mA Max	
OUTPUT SYMMETRY (at 1.4 V <sub>DC</sub> LEVEL)		40 to 60% Normal, 45 to 55% Tight	
RISE AND FALL TIME (T <sub>R</sub> , T <sub>F</sub> )		5ns Max	
OUTPUT VOLTAGE	LOGIC HIGH (V <sub>OH</sub> )	4.5V Min	2.7V Min
	LOGIC LOW (V <sub>OL</sub> )	0.5V Max	0.4V Max
OUTPUT LOAD	1.0MHz to 40.0MHz	10TTL LOAD OR 50pF HCMOS LOAD	
	4.0MHz to 100.0MHz	10TTL LOAD OR 15pF HCMOS LOAD	

# DIMENSIONS(unit:mm)

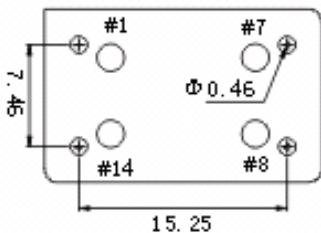
## CMO-4050(FULL SIZE)



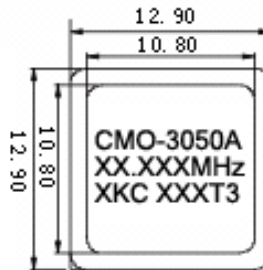
MARKING:  
 CMO-4050: HOLDER TYPE  
 A: FREQUENCY TOLERANCE  
 XXXX MH: FREQUENCY CODE  
 SKC: MARKING  
 XXXT3XXX= YEAR.WEEK  
 T=LINE  
 3= SUPPLY VOLTAGE



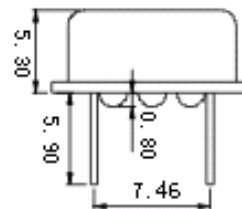
Pin	Connection
#1	N.C.
#7	GND
#8	Output
#14	3.3V VDC



## CMO-3050(HALF SIZE)



MARKING:  
 CMO-4050: HOLDER TYPE  
 A: FREQUENCY TOLERANCE  
 XXXX MH: FREQUENCY CODE  
 SKC: MARKING  
 XXXT3XXX= YEAR.WEEK  
 T=LINE  
 3= SUPPLY VOLTAGE



Pin	Connection
#1	N.C.
#7	GND
#8	Output
#14	3.3V VDC

