

# CRYSTAL OSCILLATORS

T-50-05

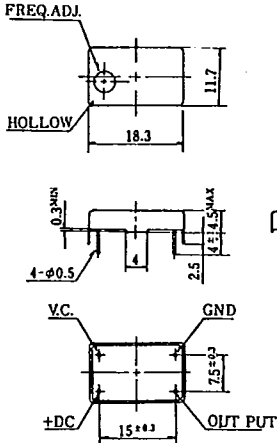
## 5200 Series

Main applications: Mobile telephone, handheld phone

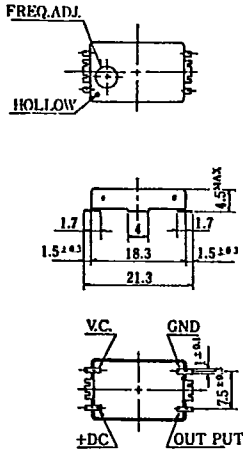
- Features:
1. Compactness and light weight in addition to stable frequencies over a wide temperature range.
  2. V.C function for the codes 5218H-AKH51, 5218J-AKH51, 5218E-AKH51, 5220A-AMN51
  3. Low power consumption

Item	Model	5218H	5218J	5218E	5218E	5220A	5220A
	Spec. Code	A	A	A	A	A	A
		KH51	KH51	KH51	KH50	MN51	MN50
Standard Nominal Frequency (MHz)		12.8				9.6 10 10.24 12 12.8	13 14.4 15.36
Available Frequency Range (MHz)		12.8				9.6~20	
Frequency Stability		$\pm 1 \times 10^{-6}$				$\pm 2 \times 10^{-6}$	
		-20~70°C				-35~85°C	
Supply Volt Change		$\pm 0.2 \times 10^{-6} / +5V \pm 5\%$				$\pm 0.1 \times 10^{-6} / +5V \pm 5\%$	
Supply Voltage		+5VDC				+5VDC	
Current Consumption		2mA <sup>MAX</sup>				5mA <sup>MAX</sup>	
Output		1V <sub>P-P</sub> <sup>MIN</sup>				1V <sub>P-P</sub> <sup>MIN</sup>	
Load		10KΩ // 10pF				10KΩ // 10pF	
Aging		$\pm 0.5 \times 10^{-6} / \text{year}$				$\pm 1 \times 10^{-6} / \text{year}$	
V.C Charact.		$\pm 1.5 \sim \pm 2.5 \times 10^{-6} / 2.5V \pm 1V$			-	$\pm 5 \times 10^{-6} \text{MIN} / 2.5V \pm 2V$	-
Freq. Trim Range		$\pm 2 \times 10^{-6} \text{MIN}$				$\pm 3 \times 10^{-6} \text{MIN}$	
Case Code		18H	18J	18E-2	18E-1	20A-4	20A-2

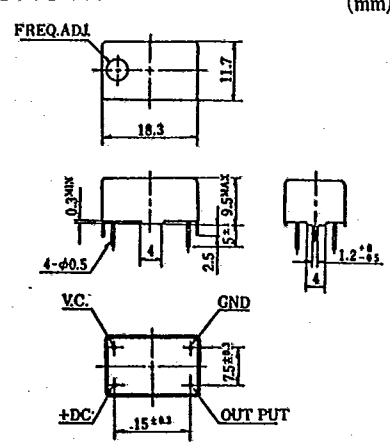
NO. 18H



NO. 18J

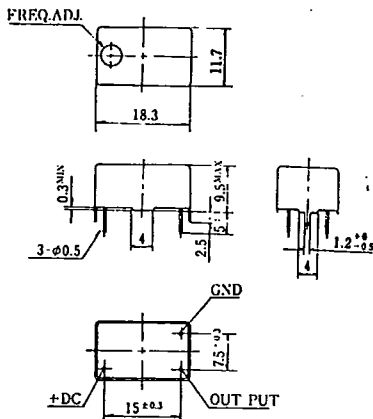


NO. 18E-2

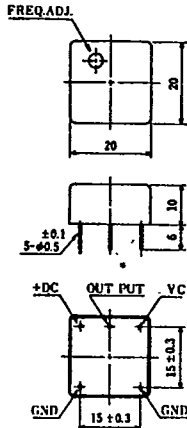


(mm)

NO. 18E-1



NO. 20A-4



NO. 20A-2

