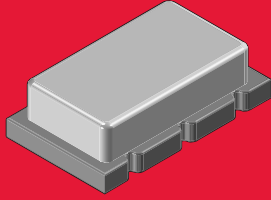


## FEATURES

- Low profile SMD package
- Wide frequency range
- Tape & Reel packaging



## SMD CERAMIC RESONATOR

The SMCRP Series SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

## PART NUMBERING GUIDE "EXAMPLE"

PART NUMBER	FREQUENCY
SMCRP	4.00

## OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

MODEL	FREQUENCY RANGE (MHz)	FREQUENCY TOLERANCE @ 25°C (%)	OPERATING TEMPERATURE RANGE	OSCILLATION FREQUENCY DRIFT -20° ~ 80°C	SOLDER REFLOW CONDITION
SMCRP	2.00 ~ 30.000 MHz	±0.5	-20 ~ +80°C	(2.0 ~ 8.00MHz) ±0.2% max.	+220°C Max.
SMCRP	2.00 ~ 30.000 MHz	±0.5	-20 ~ +80°C	(8.1 ~ 12.00MHz) ±1.0% max.	+220°C Max.
SMCRP	2.00 ~ 30.000 MHz	±0.5	-20 ~ +80°C	(12.1 ~ 20.00MHz) ±0.5% max.	+220°C Max.
SMCRP	2.00 ~ 30.000 MHz	±0.5	-20 ~ +80°C	(20.1 ~ 30.00MHz) ±0.2% max.	+220°C Max.

Complete part number to include frequency i.e. SMCRP-4.00-TR

## PACKAGE DIMENSIONS (mm)

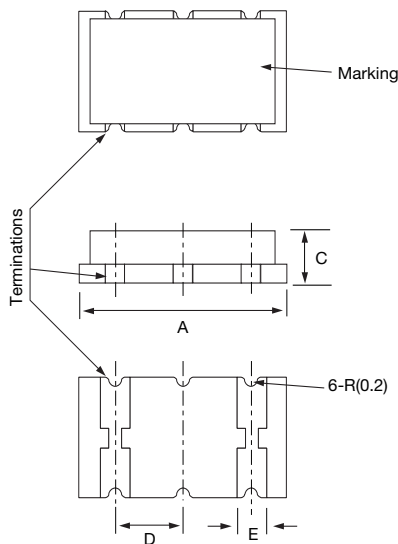


Figure 1) Top, Side, Bottom & End views

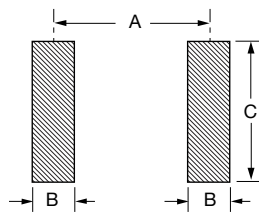


Figure 2) Land Pattern

FREQUENCY RANGE (MHz)	DIMENSIONS (mm)				
	A	B	C	D	E
2 - 13	7.8±0.5	3.2±0.3	1.6±0.5	2.5±0.2	1.5
13.1 - 20	5.5±0.5	3.2±0.3	1.6±0.5	1.9±0.2	1.0
20.1 - 30	5.5±0.5	4.5±0.5	1.6±0.5	1.9±0.2	1.2

### PIN CONNECTIONS

#1	In/Out
#2	Out/In

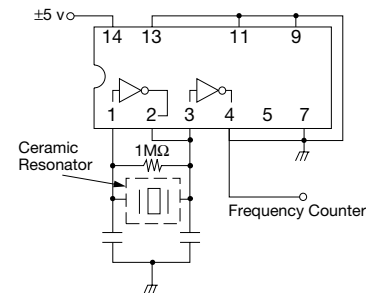


Figure 3) Test Circuits

FREQUENCY RANGE (MHz)	DIMENSIONS (mm)		
	A	B	C
2 - 13	2.5	1.2	4.7
13.1 - 20	1.9	1.2	4.2
20.1 - 30	1.9	1.2	5.5

FREQUENCY	IC
2 ~ 8.38 MHz	4069UBC
8.4 ~ 30 MHz	74HCU04