Panasonic

Using breakthrough technology, we aim for products that will create new markets.

New Product News

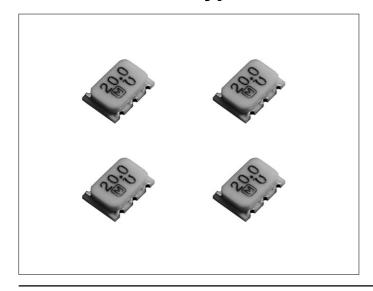
Miniature Thin Type

Ceramic Resonators

Chip Type Ceramic Resonators (EFOBM Type)

Industry/Field: AV, OA • Information, Mobile communication, Automotive electronics, Home appliances,
Optical equipment, Industrial equipment, amusement, Electronics instruments

Miniature thin type



• Development Target:

Slim Type CD-ROM, DVD-ROM, HDD in note type PC PDA, digital camera storage unit super thin type

• Features:

0

Miniature Type

(67%: Comparison with our previous products)



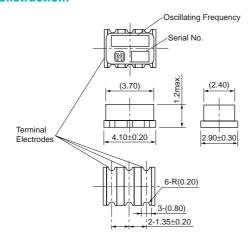
Oscillation Frequency Range: 12 to 20MHz



Excellent Temperature Characteristics:

 $\pm 0.3\%$ (at -20 to 80° C)

• Construction:



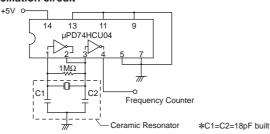
• Characteristics/specifications:

Item	Characteristics/specifications
Oscillation Frequency	12 to 20MHz
Range	
Oscillation Frequency	±0. 5%, ±0. 3%
Tolerance	
Temperature	Maximum frequency drift :
Characteristics	±0.3% (at –20 to +80°C)
Dimensions	4.1 × 2.9 × 1.2mm

Applications/usage examples:

 Clock generator for microprocessors in CD-ROM, HDD etc.

For Oscillation circuit



Explanation of part numbers:

