Panasonic

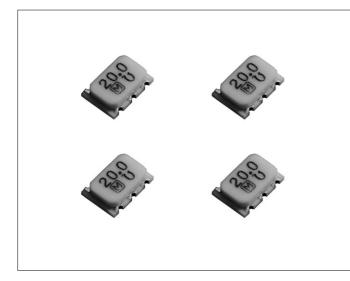
Using breakthrough technology, we aim for products that will create new markets.
New Product News
Miniature Thin Type

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:

Miniature Type (67% : Comparison with our previous products)

Oscillation Frequency Range : 12 to 20MHz

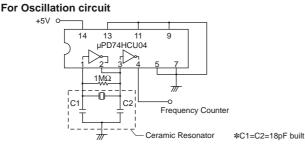
Excellent Temperature Characteristics : $\pm 0.~3\%$ (at –20 to $80^\circ C)$

• Characteristics/specifications:

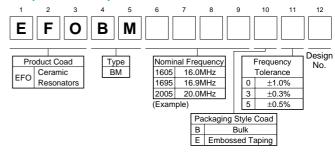
Item	Characteristics/specifications
Oscillation Frequency	12 to 20MHz
Range	
Oscillation Frequency	±0. 5%, ±0. 3%
Tolerance	
Temperature	Maximum frequency drift :
Characteristics	±0.3% (at –20 to +80°C)
Dimensions	$4.1\times2.9\times1.2mm$

• Applications/usage examples:

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



• Explanation of part numbers:



• Construction:

