



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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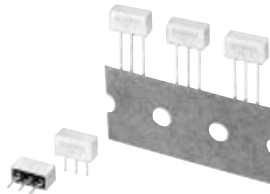
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Ceramic Resonators (Built-In Capacitors Type)

Type: **MC** (2.0 to 50.0 MHz)

Ceramic Resonator, Built-In Capacitors Type, includes two capacitors constructing Colpitts oscillation circuits. High accuracy and stable characteristics will be realized with the selected encased capacitors. Features small size due to the new construction design.



■ Features

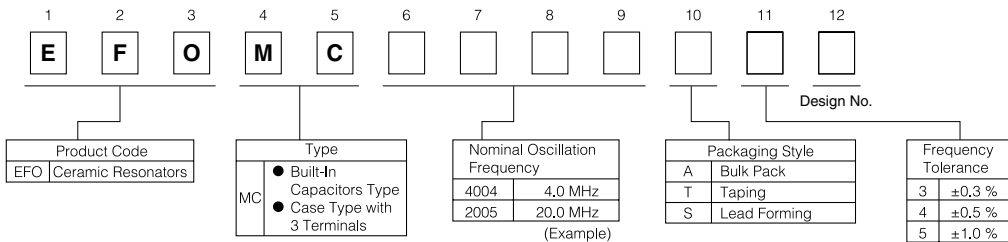
- Wide range of oscillation frequency: 2.0 to 50 MHz
- No need for capacitors in oscillation circuit
- High accuracy, high stability
Initial frequency tolerance: ± 0.3 to 0.5 %
- Excellent temperature characteristics (Nominal Freq.: 3.58 to 50 MHz)
Frequency drift: ± 0.1 % max. -10 to 60 °C
- Saves height on P.C.-board (Height: 5 mm max.)
- Taped version is available for automatic insertion

■ Recommended Applications

- Clock pulse generator for micro-processors
- Carrier between telecommunication equipment (telephone to telephone, personal computer to printer)

■ Safety Precautions

■ Explanation of Part Numbers



■ Ratings and Characteristics

● Type MC

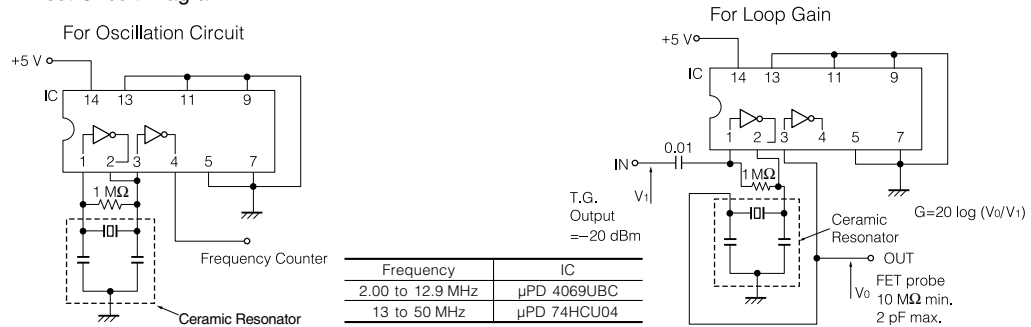
Part Number		Oscillation Frequency	Loop Gain (G)	Temperature Characteristics
Bulk Pack	Taping			
EFOMC2004A5	EFOMC2004T5	2.00 MHz ± 1.0 %	10 dB	Maximum Frequency drift: ± 0.6 %, -10 to 60 °C $(\pm 1.0$ %, -20 to 80 °C) Maximum frequency drift: ± 0.1 %, -10 to 60 °C $(\pm 0.2$ %, -20 to 80 °C)
EFOMC3584A4	EFOMC3584T4	3.58 MHz ± 0.5 %	10 dB	
EFOMC4004A4	EFOMC4004T4	4.00 MHz ± 0.5 %		
EFOMC4194A4	EFOMC4194T4	4.19 MHz ± 0.5 %		
EFOMC5004A4	EFOMC5004T4	5.00 MHz ± 0.5 %		
EFOMC6004A4	EFOMC6004T4	6.00 MHz ± 0.5 %		
EFOMC8004A4	EFOMC8004T4	8.00 MHz ± 0.5 %		
EFOMC1005A4	EFOMC1005T4	10.00 MHz ± 0.5 %	14 dB	
EFOMC2005A4	EFOMC2005T4	20.00 MHz ± 0.5 %	10 dB	
EFOMC3385A4	EFOMC3385T4	33.868 MHz ± 0.5 %	8 dB	

- Operating Temperature Range: -20 to 80 °C
- Frequency Drift: 0.3 % max./10 years

Notes:

1. Also available are types other than above standard products in the frequency range of 2.0 to 50 MHz. Please contact us for more information.
2. For application in telephone dialer, please contact us.

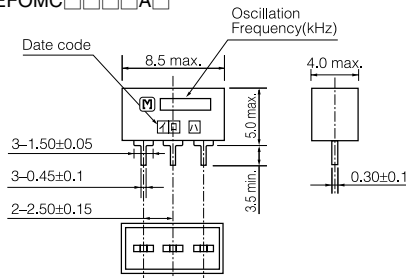
Test Circuit Diagram



Dimensions in mm (not to scale)

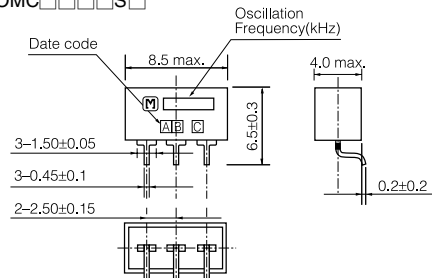
Bulk Pack

EFOMC□□□□A□



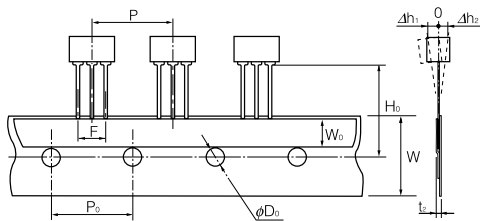
Lead Forming

EFOMC□□□□S□

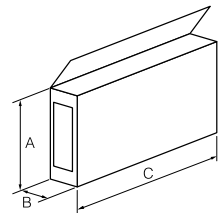


Dimensions for Taping in mm (not to scale)

EFOMC□□□□T□



Dimensions	
P	12.7±1.0
P ₀	12.7±0.3
W	18.0±1.0
W ₀	6.0 min.
H ₀	18.5±0.5
φD ₀	φ4.0±0.2
F	5.0±0.4
t ₀	1.5 max.
Δh ₁ , Δh ₂	2.0 max.

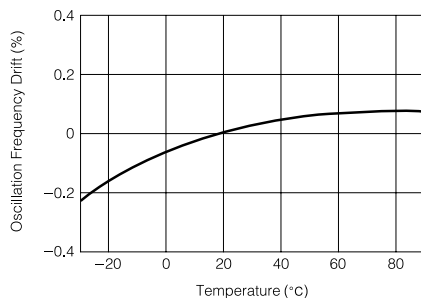


Dimensions*	
A	160 to 170
B	40 to 45
C	330

*Tolerance: ±3 mm

Typical Characteristics (EFOMC4004A4)

Temperature Characteristics



Standard Packing Quantity

Taping Pack	Bulk Pack
1000 pcs./box	500 pcs./box