



Features

- High reliability, high temperature withstanding ceramic case
- Rectangular shape allows easy pick and placement
- Small & low profile
- Reflow solderable
- Excellent Solderability(Nickel barrier+Au flush termination)

Applications

- Cellular phone/cordless phone
- Mouse, CPU-clock

How to Order

PBRC 4.00 G R ☐ ☐
① ② ③ ④ ⑤

- ①Series
②Oscillating frequency (MHz)
③J, G : without capacitors type

A	2.00 to 3.57MHz
G	3.58 to 8.00MHz

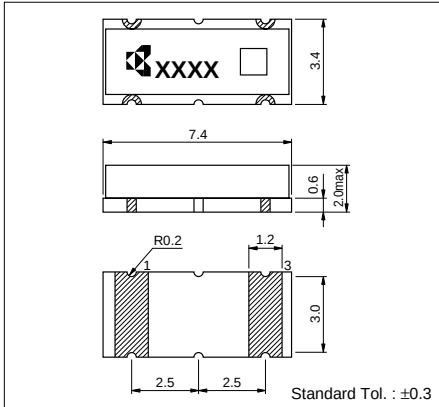
- ④Packaging : Taping and reel, 2000pcs/reel
⑤Tolerance

NIL	±0.5%(Standard)
03	±0.3%(Option)

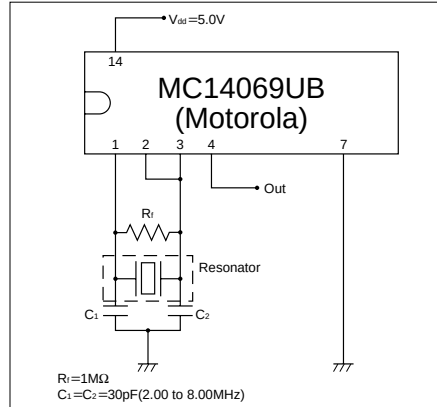
Remark:
C1 and C2 are referenced capacitance values to measure each parameter under.
The right test circuit(IC: MC14069UD).
C1 and C2 values would be modified depend upon various IC to be used.

Dimensions

(Unit : mm)



Test Circuit

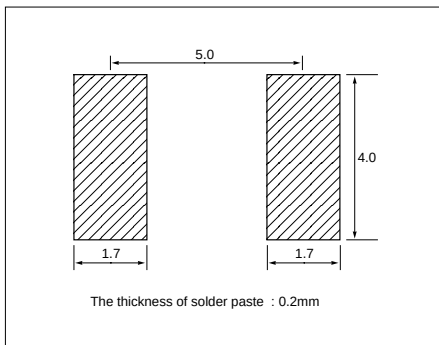


Specifications

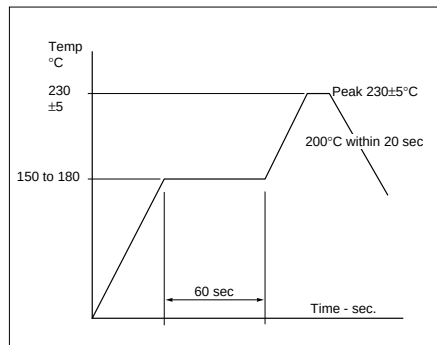
Series	Frequency Range	Frequency Tolerance (25°C)	Temperature Stability	IC	Standard Frequencies (MHz)
PBRC-A	2.00 to 3.57	±0.5%	±0.5% (-20 to 80°C)	MC14069UB	2.00, 2.46 3.00
PBRC-G	3.58 to 8.0	(op. ±0.3%)	±0.5% (-40 to 85°C)	(MOTOROLA)	3.58, 4.00, 4.19, 6.00, 8.00

Please contact our local sales office if you need over 8MHz.

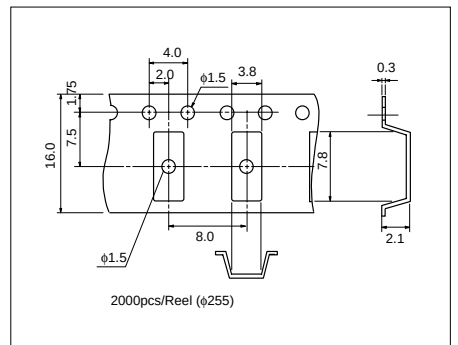
Recommended Land Pattern (Unit : mm)

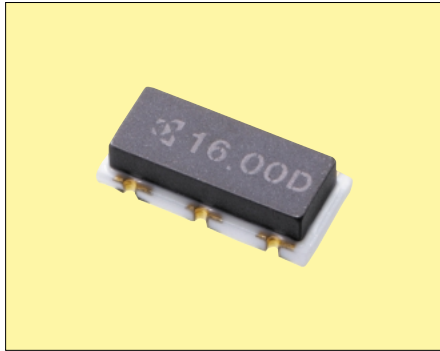


Recommended Reflow Profile



Packaging : Taping





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Applications

- Cellular phone/cordless phone
- Mouse, CPU-clock

How to Order

PBRC 4.00 H R □ □
① ② ③ ④ ⑤

- ① Series
② Oscillating frequency (MHz)
③ B, H : Built-in capacitor type

B	2.00 to 3.57MHz
H	3.58 to 20.00MHz

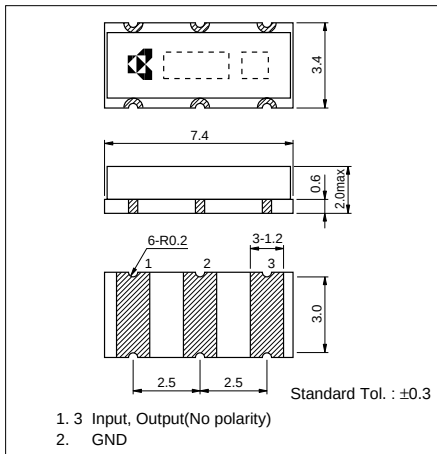
- ④ Packaging : Taping and reel, 2000pcs/reel
⑤ Tolerance

	2.00 to 8.00	8.01 to 20.00
NIL	±0.5%	±0.7%
03	±0.3%	—
05	—	±0.5%

Notice
Please refer to IC Application Guide book for IC matching.

Dimensions

(Unit : mm)

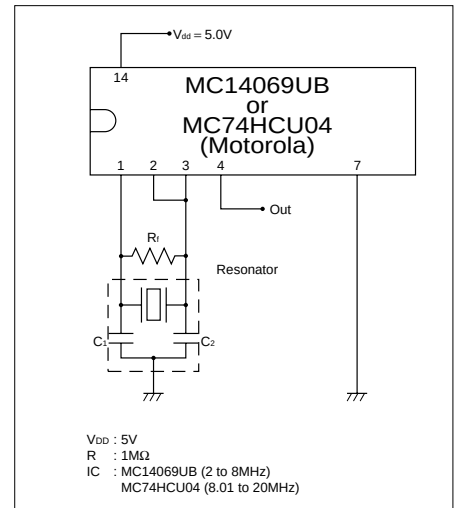


#	Pin #
1	Input
2	Ground
3	Output

Specifications

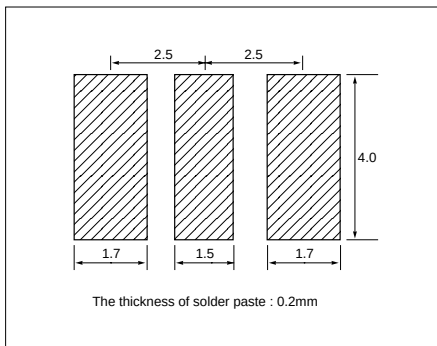
Series	Frequency Range (MHz)	Tolerance (25°C)	Temperature Stability	IC	Standard Frequencies (MHz)
PBRC-B	2.00 to 3.57	±0.5% (op. ±0.3%)	±0.5% (-20 to 80°C)	MOTOROLA MC14069UB	2.00, 2.46, 3.00
PBRC-H	3.58 to 8.00	±0.7% (op. ±0.5%)	±0.5% (-40 to 85°C)	MOTOROLA MC14069UB	3.58, 4.00, 4.19, 6.00, 8.00
	8.01 to 20.00		±0.1% (-40 to 85°C)	MOTOROLA MC74HCU04	10.0, 12.0, 16.0, 18.0, 20.0

Test Circuit

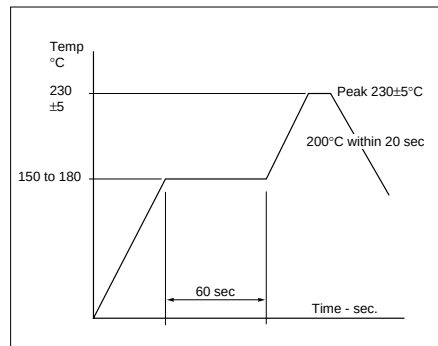


Recommended Land pattern

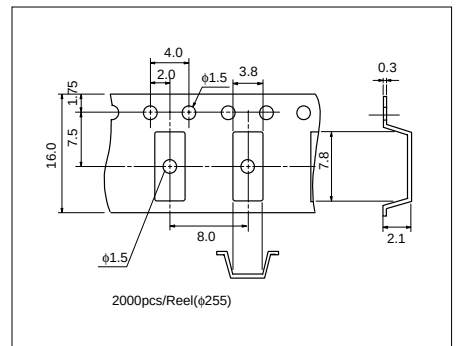
(Unit : mm)



Recommended Reflow Profile



Packing : Taping





Features

- Miniature & low profile
- Rectangular shape allows easy pick and placement
- Component cost and space saving
- High density mounting possible
- Reflow solderable & washable
- High reliability, high temperature operating with ceramic case

Applications

- Automotive
- ABS
- ECU
- Air-Bag System

How to Order

PBRV 4.00 H R -

① ② ③ ④ ⑤

- ① Series
- ② Oscillating frequency (MHz)
- ③ Built-in Capacitor type

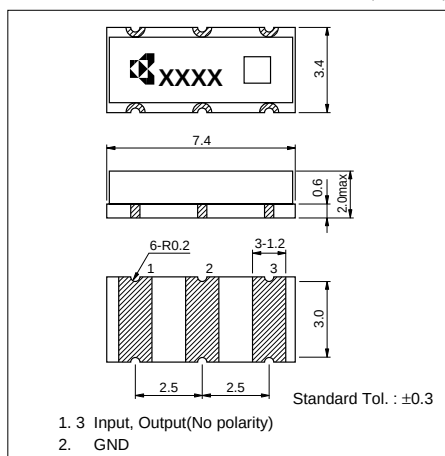
H 4.00 to 20.00MHz

- ④ Packaging : Taping and reel, 2000pcs/reel
- ⑤ Operating Temp. Range
Y: -40 to +125°C
Z: -40 to +150°C

Notice
Please refer to IC Application Guide book for IC matching.

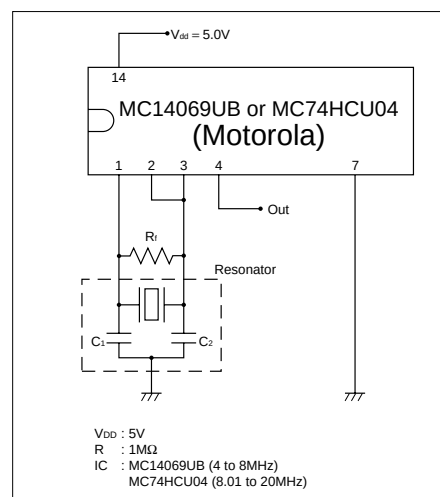
Dimensions

(Unit : mm)



#	Pin #
1	Input
2	Ground
3	Output

Test Circuit



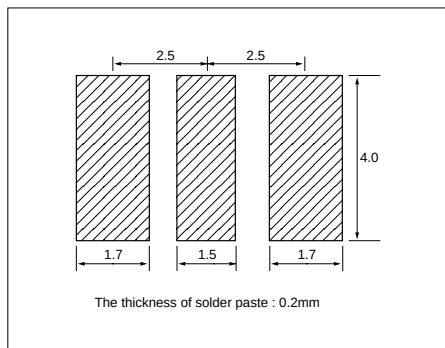
Specifications

Series	Frequency Range (MHz)	Tolerance (25°C)	Temperature Stability	IC	Standard Frequencies (MHz)
PBRV-H	4.00 to 8.00	±0.5% (op. ±0.3%)	Y : ±0.5% (-40 to +125°C) Z : ±0.5% (-40 to +150°C)	MOTOROLA MC14069UB	4.00, 6.00, 8.00
	8.01 to 20.00	±0.7% (op. ±0.5%)	Y : ±0.1% (-40 to +125°C) Z : ±0.2% (-40 to +150°C)	MOTOROLA MC74HC04	12.0, 16.0, 18.00, 20.0

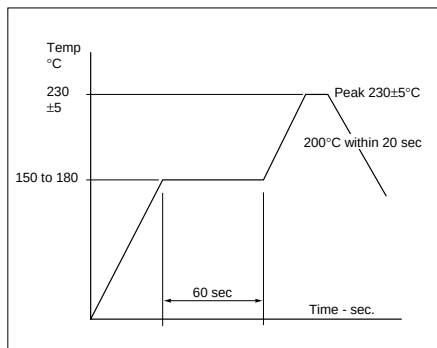
Please contact our local sales office if you need without capacitor type and tight frequency tolerance type for CANBUS Application.

Recommended Land pattern

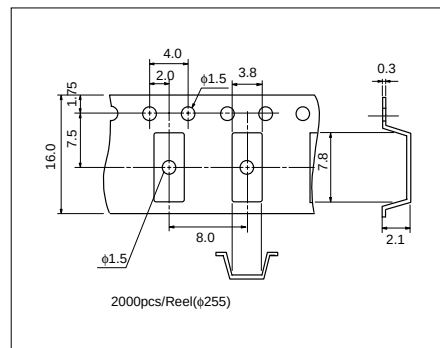
(Unit : mm)



Recommended Reflow Profile

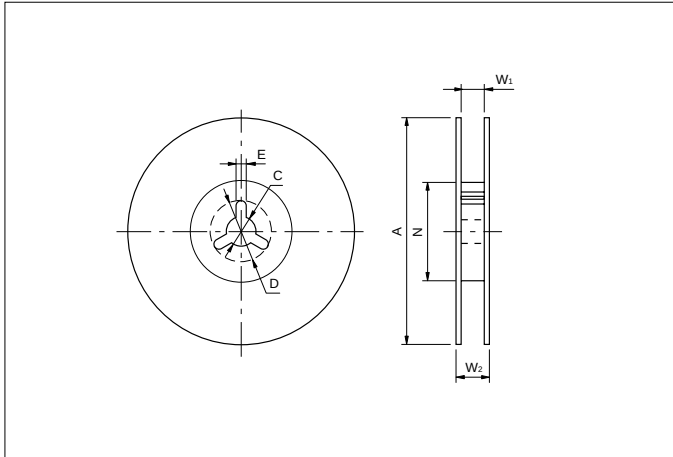


Packing : Taping



Packaging

Reel



2,000pcs/Reel

Code	A	N	W ₁	W ₂
Dimension	250±2.0	80±2.0	16.5 ^{+1.1} _{-0.0}	23.6max
Code	C	D	E	
Dimension	13.0±0.5	21.0±0.8	2.0±0.5	

Notice

- Handling must be fully cared to avoid any failure, in case it is loaded over rated mechanical shock or vibration.
- Product is available for reflow soldering process, but not applicable for flow soldering.
- Land must be oriented as below without applying excess stress by bending substrate. Handling must be cared to avoid excess bending during a process which may be happened (ex. substrate cut & breaking, assembling flame)

