

MHz Band Ceramic Chip Resonators (SMD) PBRV/ PRQV Frequency Tight Tolerance Series



for Automotive Applications



RoHS Compliant

Features

- Improved frequency tolerance for CAN-BUS application of automotive
- AEC-Q200

How to Order (PBRV)

PBRV 15.00 H R 10 Y 000
① ② ③ ④ ⑤ ⑥ ⑦

- Series (PBRV: Automotive)
- Frequency (MHz)
- Type (H, M)
- Packing R: Reel
(Null): Bulk
- Frequency Tolerance at 25°C

10 ±0.1%

- Operating Temperature

X -40°C to 85°C Y -40°C to 125°C
Z -40°C to 150°C

- Unique Code

How to Order (PRQV)

PRQV 8.00 C R 15 10 Y 000
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- Series (PRQV: Automotive)
- Frequency (MHz)
- Type (C)
- Packing R: Reel
(Null): Bulk
- Frequency Tolerance at 25°C

15 ±0.15%

- Built-in Capacitance 10pF: 10

- Operating Temperature

X -40°C to 85°C Y -40°C to 125°C
Z -40°C to 150°C

- Unique Code

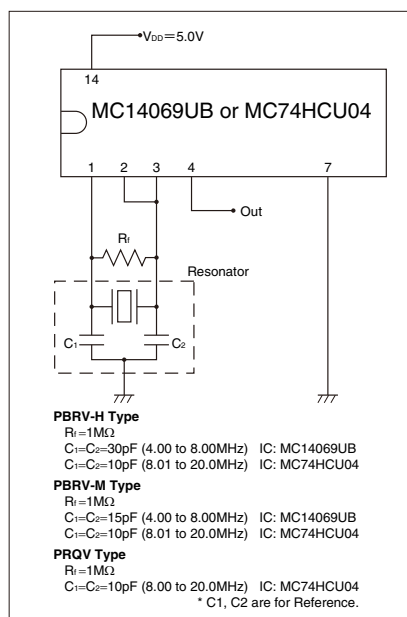
Specifications

Series	PBRV-H/ M	PRQV-C
Part Number	PBRV-HR/ MR 10Y □□□	PRQV- CR15 □□Y □□□
Operating Temperature Range	-40 to +125°C	-40 to +125°C
Frequency Range	4.0 to 7.9MHz	8.0 to 20.0MHz
Frequency Tolerance	Initial: ±0.3% Temperature: ±0.1% Aging: ±0.1%	Initial: ±0.2% Temperature: ±0.1% Aging: ±0.05%
Total Frequency Tolerance	±0.4%	±0.3%

* Please refer to the specification sheet of each product for information including detail dimensions.

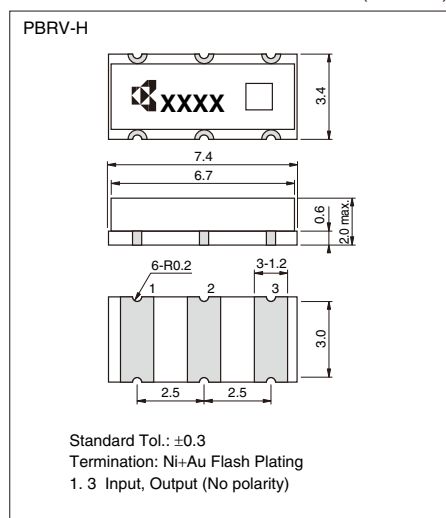
* Aging characteristics is specified at 25°C for the period of 10 years.

Test Circuit



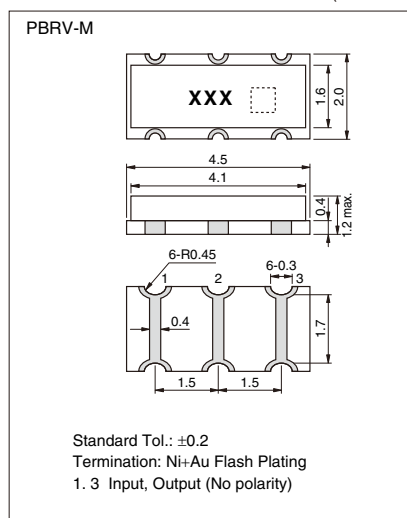
Dimensions

(Unit: mm)

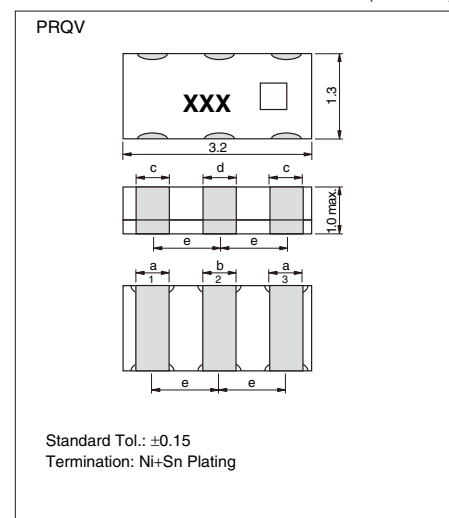


#	Pin #
1	Input
2	Ground
3	Output

(Unit: mm)



(Unit: mm)



(Unit: mm)

Type	Frequency (MHz)	a	b	c	d	e
C	8.00 to 20.00	0.4	0.4	0.6	0.4	1.2