Crystal Units
Surface Mount Type CX8045GB

KYOCERA

8.0×4.5mm for Consumer Products

RoHS Compliant

Features

- Crystal unit for Consumer Products
- Small and low profile (8.0×4.5×1.8mm)
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products

How to Order

CX8045GB 07200 □□ □ □ □ □□
① ② ③ ④ ⑤ ⑥ ⑦

① Series ② Frequency
③ Load Capacitance ④ Frequency Tolerance

H0	12 pF	H	$\pm 20\times10^{-6}$

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

EQ	−10 to +70°C	$\pm 30\times10^{-6}$

⑦ Individual Specification

Packaging (Tape & Reel 1000/ 3000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	4000 to 48000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	12	pF	Please contact us for other Load Capacitance.
Frequency Tolerance	f_{tol}	±20	$\times10^{-6}$	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T_{use}	−10 to +70	°C	
Storage Temp. Range	T_{stg}	−40 to +85	°C	
Frequency Temp. Characteristics	f_{tem}	±30	$\times10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

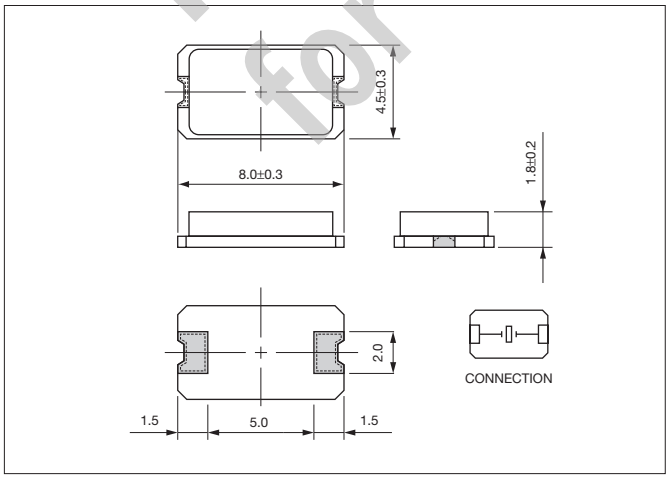
Frequency Range	Motional Series Resistance
$4000 \le f_{nom} < 7200$kHz	300Ω max.
$7200 \le f_{nom} < 10000$kHz	200Ω max.
$10000 \le f_{nom} < 12000$kHz	150Ω max.
$12000 \le f_{nom} \le 48000$kHz	100Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
$4000 \le f_{nom} < 16000$kHz	10μW (500μW max.)
$16000 \le f_{nom} < 25000$kHz	10μW (300μW max.)
$25000 \le f_{nom} \le 48000$kHz	10μW (100μW max.)

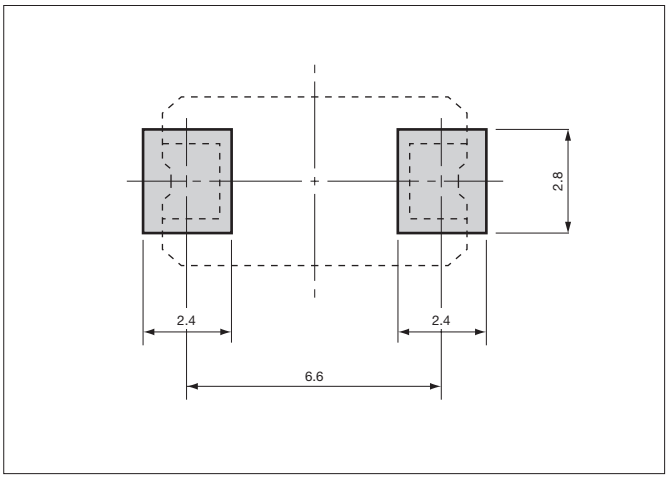
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



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