



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!



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- ▶ Chip Type SMD Package
- ▶ RoHS Compliant (Note 7 Exemption)
- ▶ Built-in load capacitor
- ▶ Tape & Reel Packaging

ECS-HFR-B

SMD CERAMIC RESONATOR

The ECS-HFR-B Series SMD ceramic resonator includes built in capacitors for reduced component count. The SMD Ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PART NUMBER *	FREQUENCY RANGE (MHz)	FREQUENCY ACCURACY @ 25°C (%)	FREQUENCY STABILITY -20 ~ +80°C (%)	AGING FOR TEN YEARS (%)	ESR (Ω) MAX.	BUILT-IN CAPACITANCE (C1 & C2)	IC
ECS-HFR-□□.□□-B	20.00 ~ 30.00	± 0.5	± 0.4	± 0.3	70	8 pF	1/6 TC74HCU04 x2
ECS-HFR-□□.□□-B	30.10 ~ 50.00	± 0.5	± 0.3	± 0.3	60	8 pF	

Complete part number to include frequency i.e. ECS-HFR-20.00-B

PACKAGE DIMENSIONS (mm)

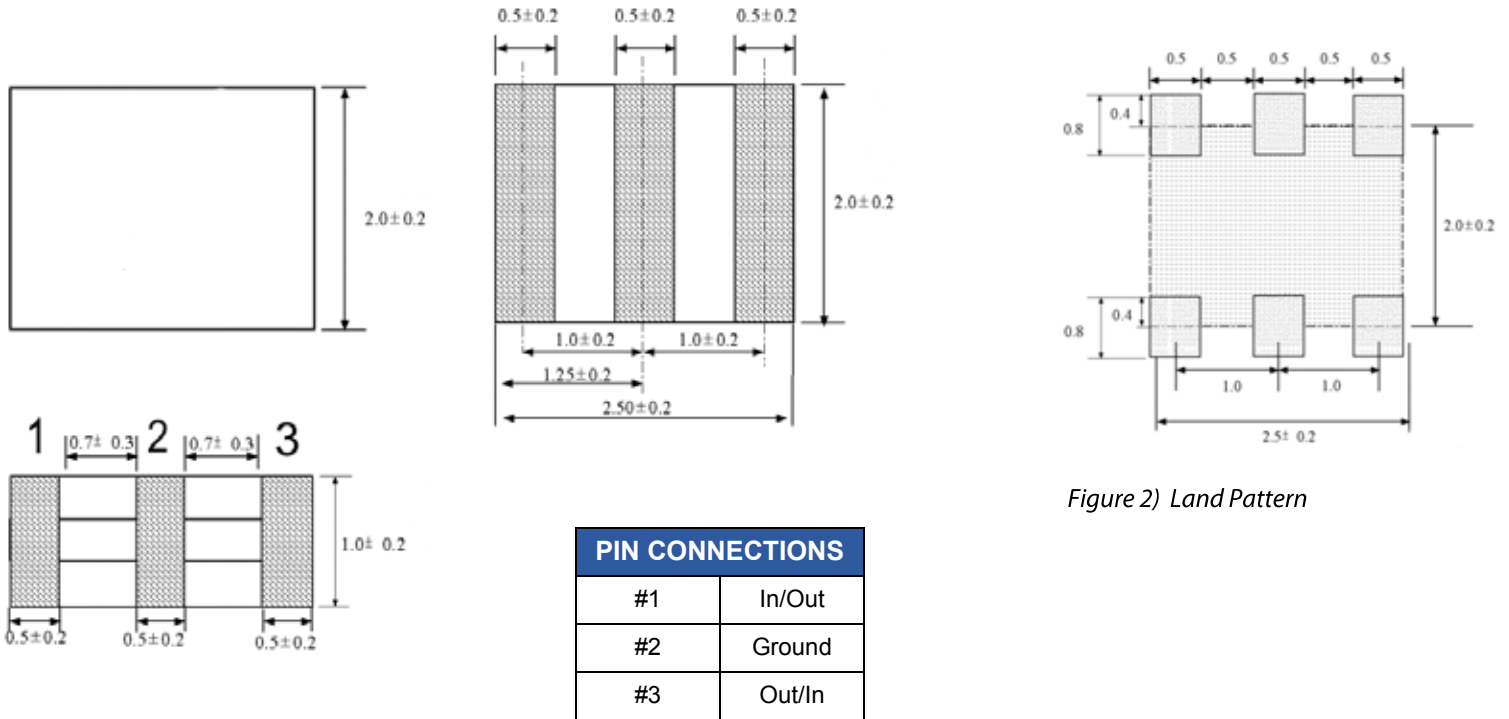


Figure 1) ECS-HFR-B Series - Top, Side and Bottom Views

Figure 2) Land Pattern

PART NUMBERING GUIDE: "Example" ECS-HFR-20.00-B-TR

