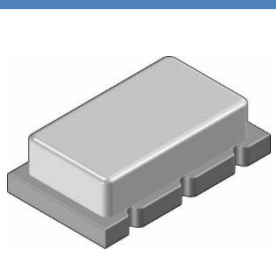
ECS-SR-B
SMD Ceramic Resonator

The ECS-SR-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.

Request a Sample

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

ECS-SR-B



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)	Insulation Resistance @ 10VDC
ECS-SR1-□.□□-B	2.00 ~ 8.00	±0.5	±0.3	±0.3	40	30 pF	100 M Ω Min.
ECS-SR2-□.□□-B	8.10 ~ 13.00	±0.5	±0.3	±0.3	40	30 pF	100 M Ω Min.
ECS-SR3-□.□□-B	13.10 ~ 20.00	±0.5	±0.3	±0.3	30	30 pF	100 M Ω Min.
ECS-SR4-□.□□-B	20.10 ~ 30.00	±0.5	±0.3	±0.3	55	30 pF	100 M Ω Min.

Complete part number to include frequency

- Low Profile SMD package
- RoHS Compliant (Note 7 Exemption)
- Built-in Load Capacitor
- Tape and Reel Packaging

Part Numbering Guide: ECS-SR1-4.00-B-TR

ECS	-	Series	-	Frequency	-	Version	-	Packaging
ECS		SR1 = 2 ~ 8 MHz SR2 = 8.1 ~ 13 MHz SR3 = 13.1 ~ 20 MHz SR4 = 20.1 ~ 30 MHz		4.00 = 4.00 MHz		B = SR-B Series		TR = Tape & Reel 2,500/Reel

Package Dimensions (mm)

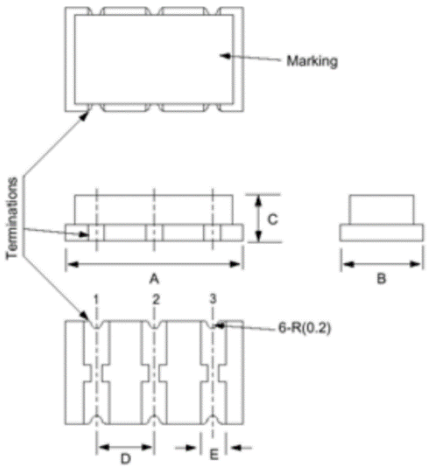


Figure 1) *Top, Side, Bottom, and End Views*

Pin Connections	
#1	In/Out
#2	Ground
#3	Out/In

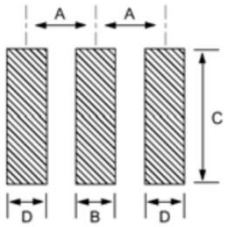


Figure 2) *Land Pattern*

Package Type	Dimensions (mm) A	B	C	D	E
ECS-SR1	7.5	3.3	2.2	2.5	1.5
ECS-SR2	8.3	3.5	1.8	2.5	1.0
ECS-SR3	6.0	3.5	1.8	1.9	1.2
ECS-SR4	6.0	5.0	1.8	1.9	1.2

Package Type	Dimensions (mm) A	B	C	C
ECS-SR1	2.5	1.5	4.0	1.7
ECS-SR2	2.5	1.2	4.7	1.2
ECS-SR3	1.9	1.2	4.2	1.2
ECS-SR4	1.9	1.2	5.5	1.2