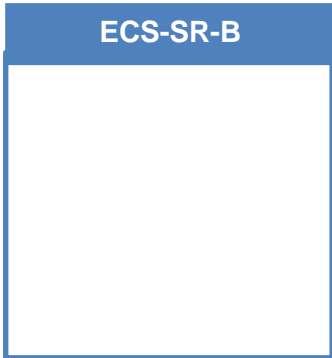


The ECS-SR-B Series SMD ceramic resonator includes built in capacitors for reduced component count. The SMD Ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

[Request a Sample](#)

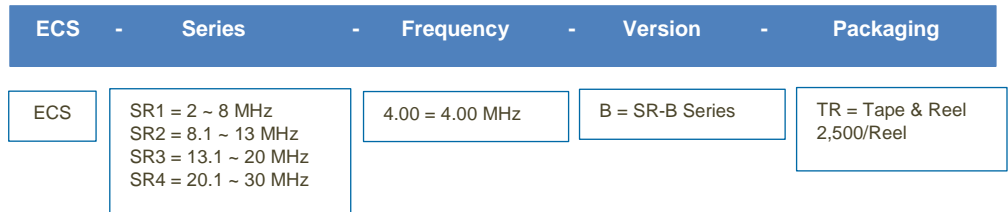
### OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS



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

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



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

### Package Dimensions (mm)

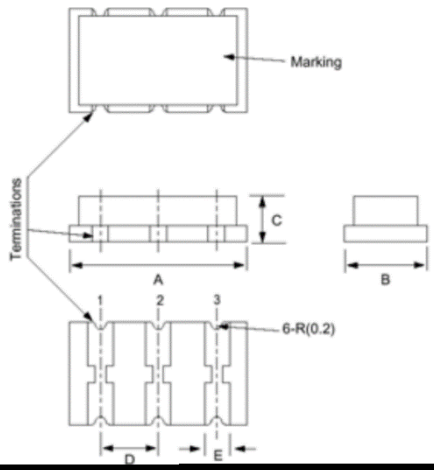


Figure 1) Top, Side, Bottom, and End Views

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