

PRODUCT	ZTA SERIES CERAMIC RESONATORS	ZTT SERIES CERAMIC RESONATOR	ECS-SR-A SERIES SMD CERAMIC RESONATOR	ECS-SR-B SERIES SMD CERAMIC RESONATOR
PRODUCT ILLUSTRATION				
FREQUENCY RANGE	2.0 ~ 50 MHz	2.0 ~ 50 MHz	2.0 ~ 30 MHz	2.0 ~ 30 MHz
FREQUENCY TOLERANCE @ +25°C	±0.5%	±0.5%	±0.5	±0.5
FREQUENCY STABILITY	±0.3%	±0.3%	±0.3%	±0.3%
TEMPERATURE RANGE	-20 ~ +80°C	-20 ~ +80°C	-20 ~ +80°C	-20 ~ +80°C
FEATURES	<ul style="list-style-type: none"> <li>• Wide Frequency Range</li> <li>• Low Profile</li> <li>• Extended Temp Range</li> <li>• High Stability</li> </ul>	<ul style="list-style-type: none"> <li>• Wide Frequency Range</li> <li>• Low Profile</li> <li>• Extended Temp Range</li> <li>• Built-in Load Capacitor</li> </ul>	<ul style="list-style-type: none"> <li>• Wide Frequency Range</li> <li>• Low Profile SMD</li> <li>• Low Cost</li> </ul>	<ul style="list-style-type: none"> <li>• Wide Frequency Range</li> <li>• Low Profile SMD</li> <li>• Built-in Load Capacitor</li> </ul>
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PRODUCT	ECS-CR1/ECS-CR2 SMD CERAMIC RESONATOR	ZTB/ZTBF CERAMIC RESONATOR	ECS-DR1/ECS-DR2 SERIES 1 PORT & 2 PORT SAW RESONATOR	ECS-SDR1 SERIES 1 PORT SAW RESONATOR
PRODUCT ILLUSTRATION				
FREQUENCY RANGE	8 ~ 40 MHz	190 ~ 1250 MHz	300 ~ 460 MHz	310 ~ 434 MHz
FREQUENCY STABILITY	±0.590%	±0.5%	0.037 PPM/°C	0.032 PPM/°C
TEMPERATURE RANGE	-20 ~ +90°C	-20 ~ +80°C	-40 ~ +85°C	-40 ~ +85°C
FEATURES	<ul style="list-style-type: none"> <li>• Wide Frequency Range</li> <li>• Chip Type SMD</li> <li>• Low Cost</li> </ul>	<ul style="list-style-type: none"> <li>• High Accuracy</li> <li>• Low Cost</li> <li>• Stable Environmental Performance</li> </ul>	<ul style="list-style-type: none"> <li>• Quartz Stability</li> <li>• Hermetic TO39-3A Package</li> <li>• Industry Std. Footprint</li> </ul>	<ul style="list-style-type: none"> <li>• Quartz Stability</li> <li>• Low Loss</li> <li>• SMD Package</li> </ul>
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