



## Solid Tantalum Electrolytic Capacitors

Kind	Solid Tantalum Electrolytic Capacitors			
Series	F91	F92	F93	F97
Photograph				
Type	Resin-Molded Chip	Resin-Molded Chip	Resin-Molded Chip	Resin-Molded Chip
Features	<ul style="list-style-type: none"> <li>Rectangular Molded</li> <li>Low ESR</li> </ul>	<ul style="list-style-type: none"> <li>Low Profile, Rectangular Molded</li> <li>Excellent High Frequency Characteristics</li> <li>Excellent Humidity Resistance</li> </ul>	<ul style="list-style-type: none"> <li>General Purpose Rectangular Molded</li> <li>Low ESR/Impedance, Excellent High Frequency Characteristics</li> <li>Excellent Humidity Resistance</li> </ul>	<ul style="list-style-type: none"> <li>Rectangular Molded</li> <li>Soldering Heat Resistance</li> <li>Superior Humidity &amp; Environment Resistance</li> <li>High Reliability</li> </ul>
Category Temperature Range (°C)	-55 to +125	-55 to +125	-55 to +125	-55 to +125
Voltage Range (V)	4 to 10	4 to 35	4 to 35	6.3 to 35
Rated Capacitance (μF)	68 to 680	0.22 to 150	0.47 to 680	0.33 to 100
Capacitance Tolerance (%)	±20, ±10	±20	±20, ±10	±20, ±10
Leakage Current (μA)	0.01CV or 0.5 Max.	0.01CV or 0.5 Max.	0.01CV or 0.5 Max.	0.01CV or 0.5 Max.
Dissipation Factor (%)	8 to 18 Max.	4 to 30 Max.	4 to 40 Max.	4 to 15 Max.
Failure rate level	at 85°C Rated Voltage Applied 1% / 1000 hours	at 85°C Rated Voltage Applied 1% / 1000 hours	at 85°C Rated Voltage Applied 1% / 1000 hours	at 85°C Rated Voltage Applied 0.5% / 1000 hours

Kind	Solid Tantalum Electrolytic Capacitors			
Series	MUSE F95 / F95	F72	F75	F98
Photograph				
Type	Conformal Coated Chip	Conformal Coated Chip	Conformal Coated Chip	Resin-Molded Chip
Features	<ul style="list-style-type: none"> <li>For Audio Equipment(MUSE F95)</li> <li>Small Rectangular</li> <li>Low ESR/Impedance, Excellent High Frequency Characteristics</li> <li>Soldering Heat Resistance</li> </ul>	<ul style="list-style-type: none"> <li>Low Profile, High Capacitance</li> <li>Low ESR/Impedance, Excellent High Frequency Characteristics</li> </ul>	<ul style="list-style-type: none"> <li>High Capacitance</li> <li>Low ESR/ Impedance, Excellent High Frequency Characteristics</li> </ul>	<ul style="list-style-type: none"> <li>High Density Mounting</li> <li>High Capacitance</li> </ul>
Category Temperature Range (°C)	-55 to +125	-55 to +125	-55 to +125	-55 to +125
Voltage Range (V)	4 to 10 (MUSE F95) / 4 to 35 (F95)	4 to 16	4 to 16	4 to 25
Rated Capacitance (μF)	68 to 470 (MUSE F95) / 1 to 470 (F95)	33 to 1000	68 to 2200	1 to 100
Capacitance Tolerance (%)	±20 (MUSE F95) / ±20, ±10 (F95)	±20, ±10	±20, ±10	±20
Leakage Current (μA)	0.01CV or 0.02CV 0.5 Max.	0.01CV or 0.5 Max.	0.01CV or 0.5 Max.	0.01CV or 0.02CV 0.5 Max.
Dissipation Factor (%)	10 to 40MAX.(MUSE F95) / 4 to 35MAX.(F95)	6 to 30 Max.	10 to 45 Max.	6 to 40 Max.
Failure rate level	at 85°C Rated Voltage Applied 1% / 1000 hours	at 85°C Rated Voltage Applied 1% / 1000 hours	at 85°C Rated Voltage Applied 1% / 1000 hours	at 85°C Rated Voltage Applied 1% / 1000 hours