

MS7 SERIES

85°C 7mm Height.

◆ FEATURES

- RoHS compliance.



◆ SPECIFICATIONS

Items	Characteristics																											
Category Temperature Range	-40~+85°C																											
Rated Voltage Range	4~63V.DC																											
Capacitance Tolerance	±20% (20°C, 120Hz)																											
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																											
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tan δ</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.13</td> <td>0.10</td> <td>0.10</td> </tr> </table> (20°C, 120Hz)	Rated Voltage (V)	4	6.3	10	16	25	35	50	63	tan δ	0.35	0.24	0.20	0.17	0.15	0.13	0.10	0.10									
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Endurance	<p>After applying rated voltage with rated ripple current for 1000 hrs at 85°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.																					
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage(V)</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>7</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table> (120Hz)	Rated Voltage(V)	4	6.3	10	16	25	35	50	63	Z(-25°C)/Z(20°C)	7	4	3	3	2	2	2	2	Z(-40°C)/Z(20°C)	15	10	8	6	4	4	4	4
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Z(-40°C)/Z(20°C)	15	10	8	6	4	4	4	4																				

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k ≤
Coefficient	0.1~1 μF	0.50	1.0	1.20	1.30
	2.2~4.7 μF	0.65	1.0	1.20	1.30
	10~47 μF	0.8	1.0	1.20	1.30
	100~470 μF	0.8	1.0	1.10	1.15

◆ PART NUMBER

□□□	MS7	□□□□□	□	□□□	□□	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

