

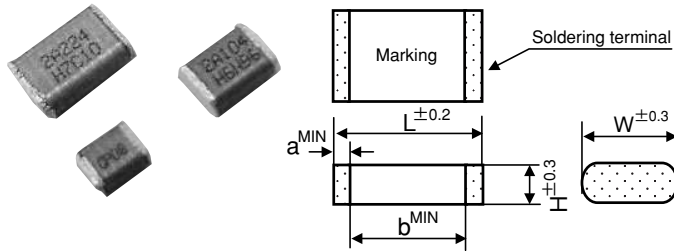
## MMX-EC Series

(Metallized Polyphenylene Sulfide Film Chip Capacitors)

### Features

- Case-less, high-performance, high-reliability metallized film chip capacitors
- Re-flow soldering temperature is 260°C
- Suitable for the inverter power supplies

### Outline of drawings and dimensions

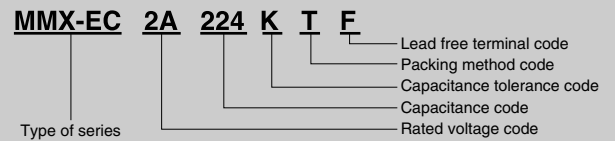


### Product Specifications

Items	Specifications
Temperature range	-40°C ~ +105°C (+125°C, with derating over 105°C)
Rated voltage	100 V.DC
Capacitance tolerance	±5% (J), ±10% (K)
Dielectric dissipation factor	0.15% or less (20°C, 1KHz)
Withstanding voltage	Rated voltage(V.DC) × 1.5 for one min.
Insulation resistance	15,000MΩ or more
Solder heat resistance	Reflow : Peak 260°C for 5 sec. or less (Capacitor surface)

For standard soldering conditions, see page 115 and 116.

Product symbol: (Example) MMX-EC Series 100V.DC 0.22μF ±10%



For MMX-EC type taping, see page 118.

### Standard value and case size

(Unit : mm)

Capacitance		Rated voltage (Code) 100V.DC/63V.AC(2A)				
(μF)	Code	H	W	L	a	b
0.010	103	2.2	4.5	5.7	0.2	3.0
0.012	123	2.2	4.6	5.7	0.2	3.0
0.015	153	2.4	4.8	5.7	0.2	3.0
0.018	183	1.7	5.5	7.7	0.2	5.0
0.022	223	1.8	5.4	7.7	0.2	5.0
0.027	273	2.2	5.9	7.7	0.2	5.0
0.033	333	2.4	6.2	7.7	0.2	5.0
0.039	393	1.7	5.4	7.7	0.2	5.0
0.047	473	1.9	5.6	7.7	0.2	5.0
0.056	563	2.1	5.8	7.7	0.2	5.0
0.068	683	2.3	6.2	7.7	0.2	5.0
0.082	823	2.8	6.0	7.7	0.2	5.0
0.10	104	3.0	6.2	7.7	0.2	5.0
0.12	124	2.9	6.2	7.7	0.2	5.0
0.15	154	3.3	6.6	7.7	0.2	5.0
0.18	184	2.8	6.6	10.2	0.2	7.5
0.22	224	3.1	7.2	10.2	0.2	7.5