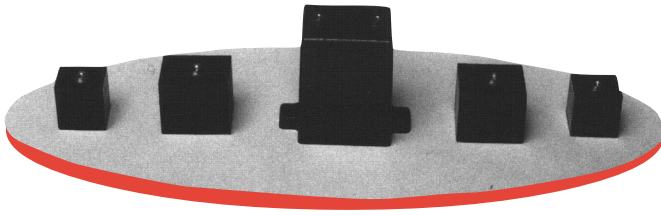


High-Voltage, Rectangular Types, Mica Capacitors

Types 271, 272, 273—Rectangular Case, High-Current and High-Voltage Circuits



Designed for frequencies ranging from 100 kHz to 3 MHz, Mica Capacitor Types 271, 272, and 273 are well-suited for high-current and high-voltage circuits like radio transmitters. Cast in rectangular cases, these capacitors are electrically equivalent to MIL-C-5 Styles CM65 through CM73 in capacitance and current ratings but are far superior in environmental capability, temperature range, physical size, mounting configuration, and reliability.

Performance Highlights

- Peak Voltage: 250 to 8,000 Peak Volts
- Capacitance Range: 47 pF to 1,000,000 pF
- Capacitance Tolerance: ± 2 (G), $\pm 5\%$ (J)
- Temperature Range: -55°C to $+125^{\circ}\text{C}$
- Cast in Rectangular Cases
- Type 273 permits stand-off mounting
- Highly shock resistant
- Optional aluminum mounting plates
- Convenient mounting

Type 271 Ratings

Cap pF	Catalog Number	Rated Current At Frequencies (rms amperes)			
		3 MHz	1 MHz	.3 MHz	.1 MHz
250 Peak Volts					
47000	27102B473J00	11	11.0	9.1	4.7
50000	27102B503J00	11	11.0	9.1	4.7
51000	27102B513J00	11	11.0	9.1	4.7
56000	27102B563J00	11	11.0	9.1	4.7
62000	27102B623J00	11	11.0	9.1	5.1
68000	27102B683J00	11	11.0	9.1	5.1
75000	27102B753J00	11	11.0	9.1	5.1
82000	27102B823J00	11	11.0	9.1	5.1
91000	27102B913J00	11	11.0	9.1	5.6
100000	27102B104J00	11	11.0	9.1	5.6
500 Peak Volts					
27000	27105B273J00	11	11.0	7.5	3.9
30000	27105B303J00	11	11.0	8.2	3.9
33000	27105B333J00	11	11.0	8.2	4.3
36000	27105B363J00	11	11.0	8.2	4.3
39000	27105B393J00	11	11.0	8.2	4.3
43000	27105B433J00	11	11.0	9.1	4.7
1,000 Peak Volts					
10000	27110B103J00	10	9.1	5.1	2.4
11000	27110B113J00	11	10.0	5.6	2.7
12000	27110B123J00	11	10.0	6.2	3.0
13000	27110B133J00	11	11.0	6.8	3.0
15000	27110B153J00	11	11.0	6.8	3.3
16000	27110B163J00	11	11.0	6.8	3.3
18000	27110B183J00	11	11.0	7.5	3.3
20000	27110B203J00	11	11.0	7.5	3.6
22000	27110B223J00	11	11.0	7.5	3.6
24000	27110B243J00	11	11.0	7.5	3.6
1,500 Peak Volts					
8000	27115B802J00	10	8.2	4.7	2.2
8200	27115B822J00	10	8.2	4.7	2.2
9100	27115B912J00	10	8.2	5.1	2.4

Cap pF	Catalog Number	Rated Current At Frequencies (rms amperes)			
		3 MHz	1 MHz	.3 MHz	.1 MHz
2,000 Peak Volts					
2700	27120B272J00	6.8	5.1	2.7	1.3
3000	27120B302J00	7.5	5.1	3.0	1.3
3300	27120B332J00	7.5	5.6	3.0	1.5
3600	27120B362J00	7.5	5.6	3.3	1.5
3900	27120B392J00	8.2	6.2	3.3	1.6
4000	27120B402J00	8.2	6.2	3.3	1.6
4300	27120B432J00	8.2	6.2	3.6	1.6
4700	27120B472J00	8.2	6.8	3.6	1.8
5000	27120B502J00	8.2	6.8	3.6	1.8
5100	27120B512J00	8.2	6.8	3.6	1.8
5600	27120B562J00	9.1	7.5	3.9	2.0
6000	27120B602J00	9.1	7.5	4.3	2.0
6200	27120B622J00	9.1	7.5	4.3	2.0
6800	27120B682J00	10	7.5	4.3	2.0
7500	27120B752J00	10	8.2	4.7	2.2
3,000 Peak Volts					
47	27130B470J00	1.2	.51	.15	.051
51	27130B510J00	1.3	.51	.18	.056
56	27130B560J00	1.3	.56	.20	.056
62	27130B620J00	1.5	.62	.22	.068
68	27130B680J00	1.5	.62	.24	.075
75	27130B750J00	1.5	.62	.27	.082
82	27130B820J00	1.6	.68	.27	.082
91	27130B910J00	1.6	.68	.33	.091
100	27130B101J00	1.8	.75	.33	.10
110	27130B111J00	1.8	.82	.36	.12
120	27130B121J00	2	.91	.39	.15
130	27130B131J00	2	.91	.43	.16
150	27130B151J00	2.2	1.0	.47	.18
160	27130B161J00	2.2	1.1	.51	.20
180	27130B181J00	2.4	1.1	.56	.22
200	27130B201J00	2.4	1.2	.62	.24
220	27130B221J00	2.7	1.3	.62	.27
240	27130B241J00	2.7	1.3	.68	.30

High-Voltage
& Pulse
Mica Capacitors

