

SPECIFICATIONS

High Voltage Mica Capacitors

CAPACITANCE 20PF
TOLERANCE 5%
WORKING VOALTAGE 500 VDC

DIMENSIONS

L : 11.43mm	W : 9.14mm	T : 4.32mm
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CAPACITANCE RANGE:

1pF through 100000pF in case styles DM5 through DM42

VOLTAGE RANGE:

50VDCW through 500 VDCW higher voltages on request

OPERATING TEMPERATURE:

150°C at full rated voltage

MARKING

Simic dipped micas are permanently marked in a manner designed to withstand the environment requirments of the applicable MIL and EIA specifications, as also the permanency and durability requirments of MIL-M-13231.

As a minimum, markings will consist of capacitance in picofarad, capacitance tolerance in percent, and manufacure identifying symbol. Where space does not permit, the capacitance tolerance will be expressed as a single letter.

Parts supplied to the military specification will bear full, or abbreviated, military designation as required by MIL-C-5.

SPECIAL FEATURES	
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STYLE

Indicated by letters CM or DM followed by two digits identifying case size.

CHARACTERISTIC

Identified by a single letter indicating stability with change in temperature.

CAPACITANCE

Normal capacitance is expressed in pF and is identified by a three number digit. The first two digits represent significant figures. The third digit indicates the number of digits to follow (sometimes referred to as the decimal multiplier). Where a third significant figure is required a four digit number would be applied. The first three would indicate significant figures.

LEADS

All SIMIC dipped mica capacitors are manufactured with copper-clad steel leads. The copper-clad leads are annealed and manufactured with steel wire SAE 1010 or SAE 1006; having a 30% minimum conductivity copper coating. The leads are finished with a solder coating (60% tin and 40% lead), having a minimum thickness of 0.0001" (0.00254mm).

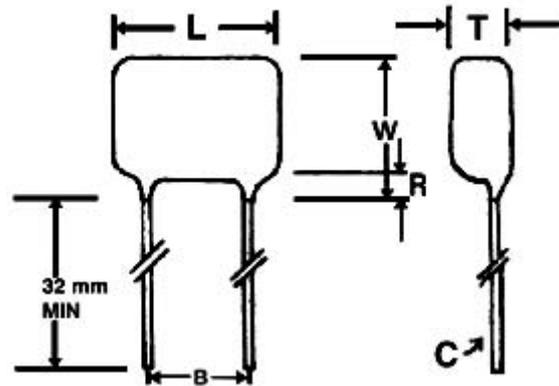
Normal production is supplied with straight radial leads. Crimped and/or cut variations are available on order. Capacitors with working voltage of 1000 VDC, 2500 VDC are available on order.

MANUFACTURER : SIMIC ELECTRONICS LTD.,

<http://www.simicelectronics.com>

Features provided at our customer's request.

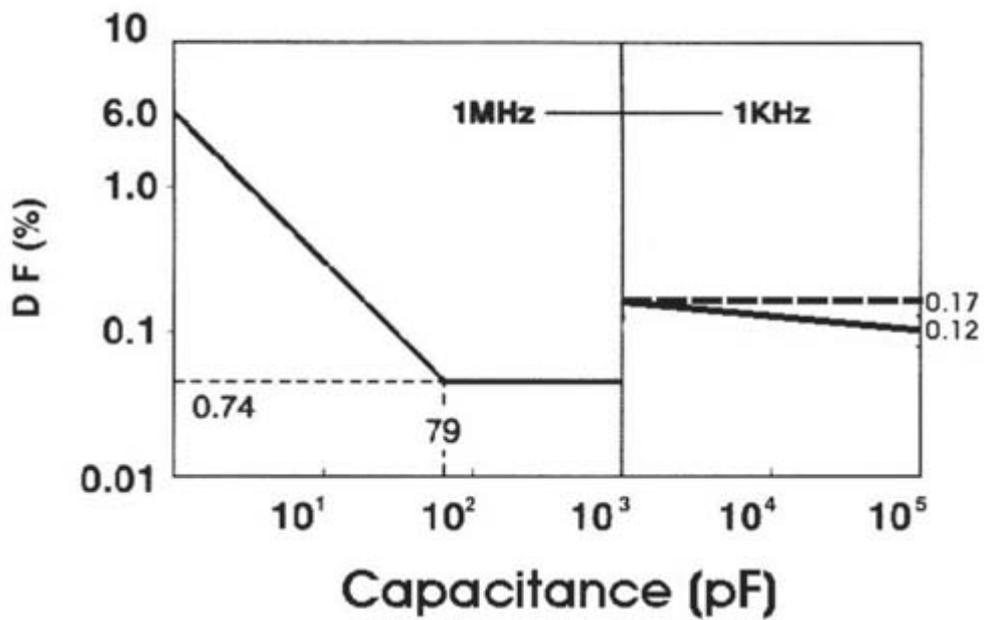
- Metallurgical bonding.
- Thin coat (single dip) for high installation density.
- Crimped and cut leads.
- Crimped and cut leads with tape and reel package.



DIM	DM5	DM10	DM15	DM19	DM20	DM30	DM42
B	3.05 ±.79	3.57 ±.79	5.95 ±.79	8.73 ±.79	11.11 ±.79	11.11 ±.79	26.99 ±.79
C	#26 (0.4039)	#26 (0.4039)	#22 (0.635)	#20 (0.813)	#20 (0.813)	#18 (1.016)	#18 (1.016)
R	1.98 MAX	1.98 MAX	1.98 MAX	3.18 MAX	3.18 MAX	3.18 MAX	3.18 MAX

Coating	Conformal epoxy coating with epoxy impregnation
Tolerance	± 0.5pF, ±1pF, ±1%, ±2%, ±5%
Temperature	-55°C to + 125°C
T.C.	0 to 70 ppm/°C
I.R.	For 1 - 10,000pF 1,00,000 Meg ohms (min.) For 10,001 To 15,000pF 10,000 Meg ohms (min.)
Tan Delta	For 1 - 1,000pF - 0.0010 at 1MHz
Limit	For more than 1,000pF - 0.0020 at Khz

D FACTOR v/s CAPACITANCE



INSULATION RESISTANCE v/s CAPACITANCE

