

MS SERIES

For motor starting

Features

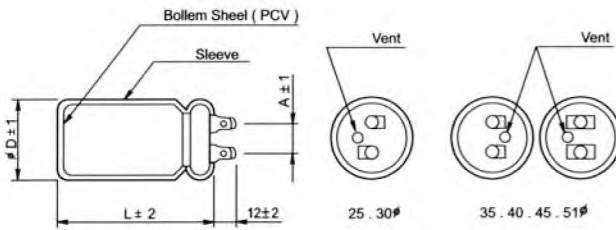
- Lug terminal
- For motor starting
- compressor starter of a refrigerator, air conditioner and water pump.



Specifications

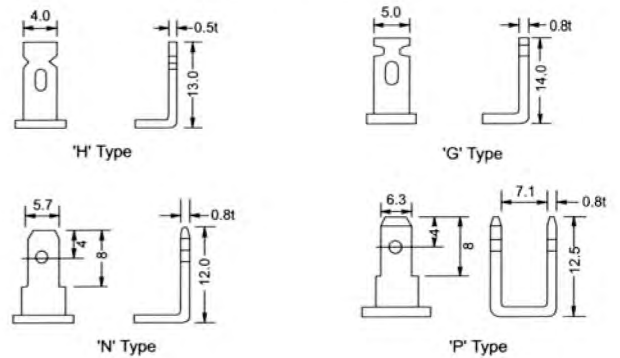
Item	Performance Characteristics
Operating temperature range	-25°C ~ +70°C
Rated working voltage range	110V ~ 300V
Nominal capacitance range	25 μ F ~ 500 μ F
Capacitance tolerance	0% ~ +20%(at 20°C, 60Hz)
Power factor	0.08 Max. (at 20°C, 60Hz)
Over voltage test	1. The capacitor should withstand 1.4 times of the rated voltage, applied for 30 sec. 2. The capacitor should withstand 1.2 times of the rated voltage, applied for 2 min.

Dimensions



ϕ D	A	Terminal Type
25	10	H
30	10	G, N
35	12	G, N, P
40, 45	16	G, N, P
51	20	G, N, P

Terminal type(H, G, N, P)



Standard Ratings of MS Series

ϕ D x L(mm)

Cap(μ F) \ W.V(V)	110	125	145	160	180	200	220	250	280	300
25						30x70	30x80	35x60	35x70	35x80
30					25x60	30x80	35x60	35x70	35x80	35x100
40	25x40	25x50	25x50	25x60	25x70	35x60	35x70	35x80	35x100	40x100
50	25x50	25x50	25x60	25x70	30x70	35x70	35x80	35x100	40x100	45x100
63	25x50	25x60	30x60	30x70	30x80	35x80	35x100	40x100	45x100	45x100
80	25x60	30x60	30x70	35x60	35x70	35x100	40x100	45x100	51x100	
100	25x60	30x70	35x60	35x70	35x80	40x100	45x100	51x100		
125	30x60	35x60	35x70	35x80	35x100	45x100	51x100			
160	30x70	35x70	35x80	35x100	40x100	51x100				
200	35x60	35x80	35x100	40x100	45x100					
250	35x70	35x100	40x100	45x100						
315	35x80	40x100	45x100							
400	35x100	45x100								
500	40x100									

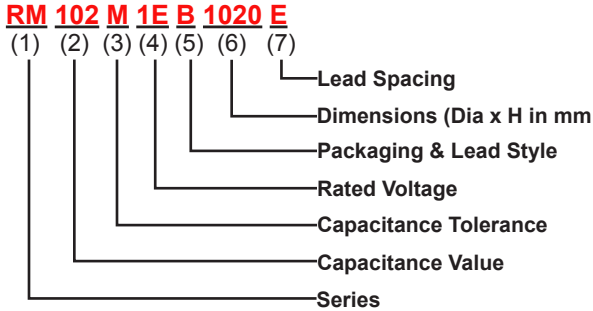
ORDERING INFORMATION for Leaded Type



Daewoo Components Corp.

Through-Hole Part Numbering System Example:

RM = Leaded Radial 85°C Miniature Series, **102** = 1000µF, **M** =20% Tolerance, **1E** 25 Volts, **B** = Bulk,
1020 = Case size (Dia x H) = 10.0 x 20.0mm, **E** = 5.0mm



(1) Series

See Quick Guide on page 2
Example: RSS, RM, RMU,...

(2) Capacitance Value Code

Capacitance expressed in micro Farads (µF)
First two digits are significant figures
Third digit denotes the number of zeros
Use R for decimal point for values less than 10µF

Examples:

CODE	Capacitance
R10	0.1 µF
R68	0.68 µF
1R0	1.0 µF
100	10 µF
680	68 µF
471	470 µF
102	1000 µF
103	10000 µF

(3) Capacitance Tolerance Code

CODE	Cap. Tol.	CODE	Cap. Tol.
J	±5%	V	-10% ~ +20%
K	±10%	Q	-10% ~ +30%
M	±20%	T	-10% ~ +50%
R	+20%, -0%		

(4) Rated Voltage Code

CODE	Voltage	CODE	Voltage
0G	4.0V	2C	160V
0J	6.3V	2S	180V
1A	10V	2D	200V
1C	16V	2E	250V
1E	25V	2F	315V
1V	35V	2V	350V
1H	50V	2G	400V
1J	63V	2W	450V
1K	80V	3Z	1000V
2A	100V		

(5) Packaging Form & Lead Style Code (see page 7, 8, 9 for details)

	Code	Packaging Form & Lead Style
Bulk	B	Bulk: Standard Package
	L	Bulk: 4 -8ø Long Leads Formed to 5 mm Pitch
Snap-In	1	10-13ø Snap-in Cut 5.0mm
	2	16-13ø Snap-in Cut 5.0mm
	3	10-13ø Snap-in Cut 4.5mm
	4	16-18ø Snap-in Cut 4.5mm
	5	4-8ø Snap-in Cut 7.5mm
Form	F	4-8ø Forming Cut 6.5mm
	G	4-8ø Forming Cut 10.0mm
Straight Cut	C	4-18ø Straight Cut 4.0mm
	6	4-18ø Straight Cut 3.1mm
	7	4-18ø Straight Cut 5.0mm
	8	4-18ø Straight Cut 6.35mm
Ammo Tape (+) Leading	A	4-8ø Straight Ammo
		Detail Ranges: 4-6.3ø; F=2.5mm 8ø; F=3.5mm
		4-8ø Form Tape & Ammo 5mm Pitch
		10ø Straight Ammo Tape 5mm Pitch
		13ø Straight Ammo Tape 5mm Pitch
16-18ø Straight Ammo Tape 5mm Pitch		
Tape & Reel (+) Leading	T	4-8ø Straight Ammo
		Detail Ranges: 4-6.3ø; F=2.5mm 8ø; F=3.5mm
		4-13ø Form Tape & Reel 5mm Pitch 10-13ø Straight Reel Tape 5mm Pitch

NOTE: Standard Pack Anode(+) Lead Leading FEEDS OFF FIRST
Special Option Cathode(-) Lead Leading available upon request
Standard Packages: B = Bulk, A = Ammo, T = Tape & Reel

(6) Example Dimension Code (Diameter x Height in mm)

Size Code	Diameter	Height	Size Code	Diameter	Height
0405	4	5	1320	13	20
0407	4	7	1631	16	31.5
0505	5	5	1835	18	35.5
0507	5	7	2240	22	40
0607	6.3	7	2545	25	45
0511	5	11	3035	30	35
0605	6	5	3500	35	100
0611	6.3	11	3501	35	110
0805	8	5	5102	51	120
0811	8	11	6303	63.5	130
1012	10	12.5	7604	76	140
1220	12.5	20	8904	89	140

(7) Lead Spacing Code (LS)

Code	X	A	B	C	D	E	J	F
LS	1.0	1.5	2.0	2.5	3.5	5.0	7.0	7.5
Code	K	M	G	P	H	Q	R	S
LS	8.0	10.0	10.5	12.0	12.5	12.8	15.0	16.0
Code	T	U	V	W	Y	Z		
LS	20.0	21.7	28.3	30.0	31.6	32		