



GD ELECTRONICS S.R.L.

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MAC AC. Motor Capacitor (A.C. Usage)

CONSTRUCITON

* Polypropylene/Polyester film dielectric with vacuum evaporated metal electrodes, radial leads of tinned wire are electrically welded to the contact metal layer of the ends of capacitor winding. Encased in a flame resistant plastic case and sealed with epoxy resin.



FEATURE

- * Non-inductive construction
- * Self-healing property
- * High current endurance (up to 20A) and special termination for high current

APPLICATION

- * Applicable for air conditioners, ventilator, electric fan, AC one-phase motors, fluorescent lamps, mercury lamps, transformer etc.
- * Used for starting, running and correcting power factor

SPECIFICATIONS

RoHS Compliant



Dielectric	Polypropylene /Polyester film
Electrodes	Vacuum Evaporated Metal
Coating	Encapsulated in reengineering plastic case sealed with epoxy resin meeting the requirement of UL94V-0
Leads	Radial leads of tinned wire/ insulation flexible wire or tabs
Reference Standard	GB/T 3667-1997, UL810, IEC 60252-1
Temperature Range	25/70/21
Capacitance Versus Rated voltage (U_R)	1.0 μ F --- 13 μ F 250VDC 400VDC 500VDC
Capacitance Tolerance	M= \pm 20% K= \pm 10% J= \pm 5%
Dissipation Factor (Tangent of Loss)	DF \leq 0.2% (50Hz -100Hz)
Voltage Proof	T-T 1.75 * U_R (10s) T-C 2.0 * U_R +1000V (60s)
Insulation Resistance	T-T C \leq 0.47 μ F IR \geq 2000M Ω C>0.47 IR *C \geq 1000 S T-C \geq 2000M Ω (1 minute at 20 $^{\circ}$ C and RH \leq 65%)
Endurance	600 hours with 125% of rated voltage at 70 $^{\circ}$ C after the Test: Δ C/C \leq 5%; IR \geq 500% of the specified value



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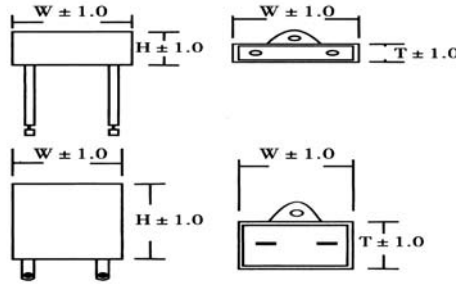
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OUTLINE DRAWING :



DIMENSION :

Unit:mm

CAPACITANCE		100VDC			250VDC			400VDC		
SYMBOL	μF	W	H	T	W	H	T	W	H	T
105	1.0	32.0	20.0	11.0	38.0	22.0	13.0	38.0	23.0	14.0
155	1.5	32.0	22.0	13.0	38.0	23.0	14.0	38.0	28.0	18.0
205	2.0	32.0	22.0	13.0	38.0	28.0	18.0	38.0	32.0	20.0
255	2.5	32.0	25.0	14.0	38.0	28.0	18.0	47.0	31.0	17.0
305	3.0	32.0	30.0	15.0	38.0	32.0	20.0	47.0	34.0	22.0
355	3.5	38.0	23.0	14.0	38.0	32.0	20.0	47.0	36.0	24.0
405	4.0	38.0	25.0	15.0	47.0	34.0	20.0	47.0	36.0	24.0
455	4.5	38.0	26.0	17.0	47.0	34.0	22.0	47.0	38.0	26.0
505	5.0	38.0	26.0	17.0	47.0	36.0	24.0	57.0	35.0	21.0
555	5.5	38.0	28.0	18.0	47.0	38.0	26.0	58.0	38.0	26.0
605	6.0	38.0	28.0	18.0	58.0	35.0	21.0	58.0	38.0	26.0
755	7.5	38.0	30.0	20.0	58.0	38.0	26.0			
805	8.0	38.0	31.0	21.0	58.0	40.0	28.0			
106	10.0	47.0	34.0	20.0						
126	12.0	47.0	34.0	22.0						
136	13.0	58.0	38.0	26.0						
(SPECIAL SIZE OR ITEMS ON REQUEST)										

CERTIFICATION :

	CQC CQC 03002008544 CQC 04002010183 CQC 04002010184	GB 3667-1997 IEC- 60252-1		40012139 40012189	EN 60252-1
	USA./CSA E 249178	UL 810	CB	CN4643 CN4642 CN3786	IEC-60252-1