▲FEATURES

Widely used in resonant circuit for induction heating

Polypropylene and double side metallized polyester construction

Lower ESR and ESL

Self-healing property

Long life time,small inherent temperature rise

Tinned copper nut.fill with Ul94V-0 resin

Non-inductive type.

Withstand heavy heavy current and high frequency

▲APPLICATIONS

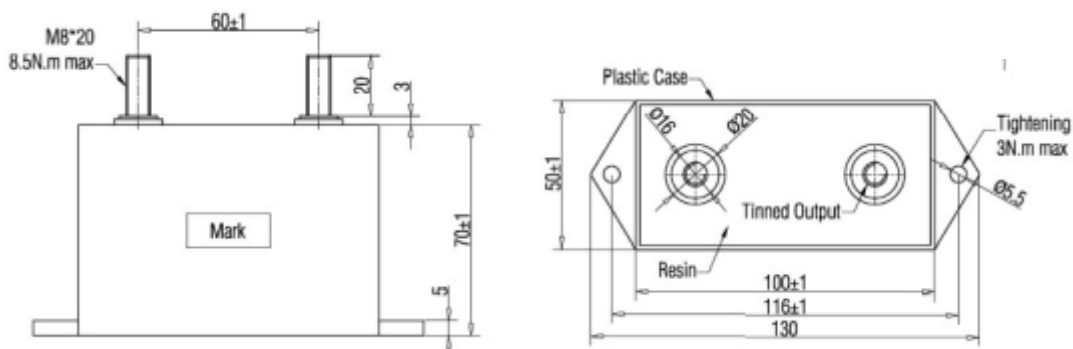Induction heating machine

▲SPECIFICATIONS

Reference standards IEC 61071 60068 60384

Operating temperature range:−40℃～−85℃

Storage temperatue range:−40℃～−85℃

Capacitance range:0.047 to 10uf

Capacitance tolerance:±5%,±10%

Voltage range:500 to 3000Vdc

▲TEST DATA

Voltage between terminals:2Un 10s

Dissipation factor:$5.0×10^{-4}$ Measured at 100Hz 25℃

Life expectancy 100 000 hours

▲OUTLINE DRAWING

▲Part Numbering System

150	FC	106	#

Voltage	Type	Capacitance	Toleranc
150=500vdc	FC	104=0.1uf	J= ±5%
175=750vdc		105=1.0uf	K= ±10%
210=1000vdc		106=10uf	M= ±20%

▲Electrical specifications, ordering codes

Cap uf	Full Power FREQ kHz	Irms max. A	du/dt v/μs	Ipeak A	ESR mΩ	Part Number
Up-peak 500vdc Urms 250Vac						
10	8	100	220	2200	1.1	150FC106#
7.5	10	100	230	1725	1.2	150FC755#
Up-peak 750vdc Urms 350Vac						
6.8	10	100	280	1904	1.2	175FC685#
5.0	14	100	280	1400	1.2	175FC505#
Up-peak 1000vdc Urms 400Vac						
4.7	10	100	450	2115	1.1	210FC475#
3.3	13	100	460	1518	1.2	210FC335#
1.5	27	90	990	1485	1.2	210FC155#
1.0	40	90	1350	1350	1.3	210FC105#
Up-peak 1500vdc Urms550Vac						
1.0	33	80	570	570	2.6	215FC105#
0.68	32	75	900	612	2.8	215FC684#
0.60	36	75	900	540	2.9	215FC604#
Up-peak 2000vdc Urms750Vac						
1.0	15	70	570	570	2.6	220FC105#
0.68	22	70	640	435.2	2.8	220FC684#
0.47	27	60	1200	564	2.9	220FC474#
0.33	39	60	1310	432.3	3.1	220FC334#
Up-peak 3000vdc Urms1000Vac						
0.24	33	50	1900	456	3.2	230FC244#
0.15	48	45	2850	427.5	3.5	230FC154#
0.12	53	40	3200	384	3.8	230FC124#
0.10	64	40	3200	320	4.1	230FC104#
0.06	80	30	4600	276	7.6	230FC603#

*Special design available to meet your requirements