

TS24

FEATURES

High voltage, high frequency
High dv/dt characteristics, can bear high current,
Good heat radiation performance, Self-healing

TYPICAL APPLICATION

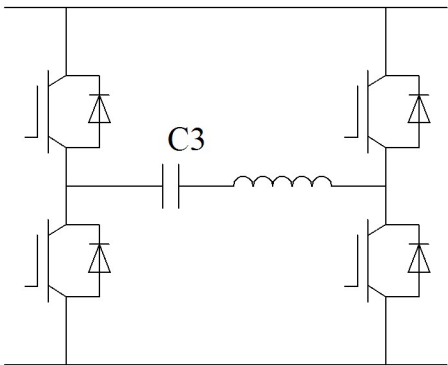
Widely used in high power high frequency resonant device



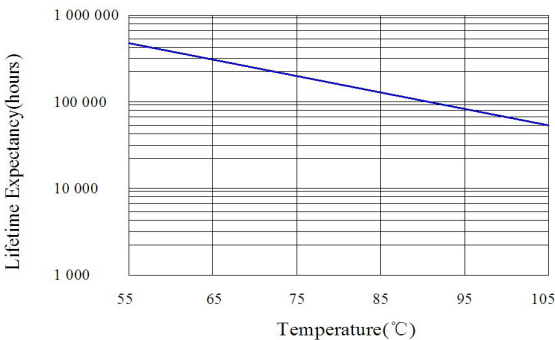
Technical Specifications

ITEMS	C H A R A C T E R I S T I C S
Reference standards	GB/T 3984 IEC 60110..1
Operating temperature range	-25℃~85℃
Capacitance	0.1µF ~84µF
Rated capacity	300kVar,600kVar,750kVar,800kVar ,1500kVar
Rated Voltage	400V.AC ~1000 V.AC
Tolerance	±5% ±10%
Dissipation factor	$tg\delta\leq5\times10^{-4}$ at 25℃±5℃,1KHz
Insulation resistance	$C\cdot R\geq5000S$,at 100V.DC,25℃±5℃,60s
Test voltage between terminals	1.5Un (10S,25℃±5℃)
Test voltage between terminals and case	3000V.AC(10S,50/60Hz,25℃±5℃)
Max Altitude	2000m
Expected lifetime	200 000hrs @ Un,θhs=70℃
Failure rate	100FIT

Typical circuit

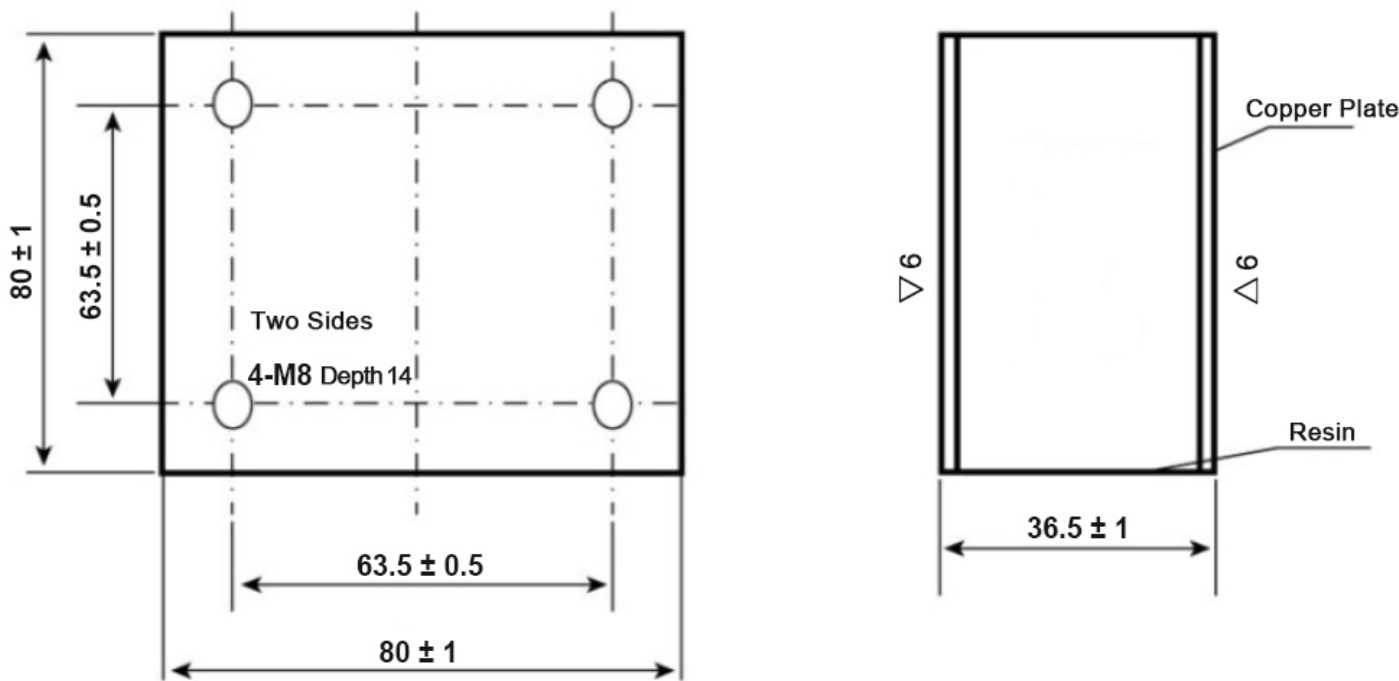


Expected lifetime curve



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Outline Drawing



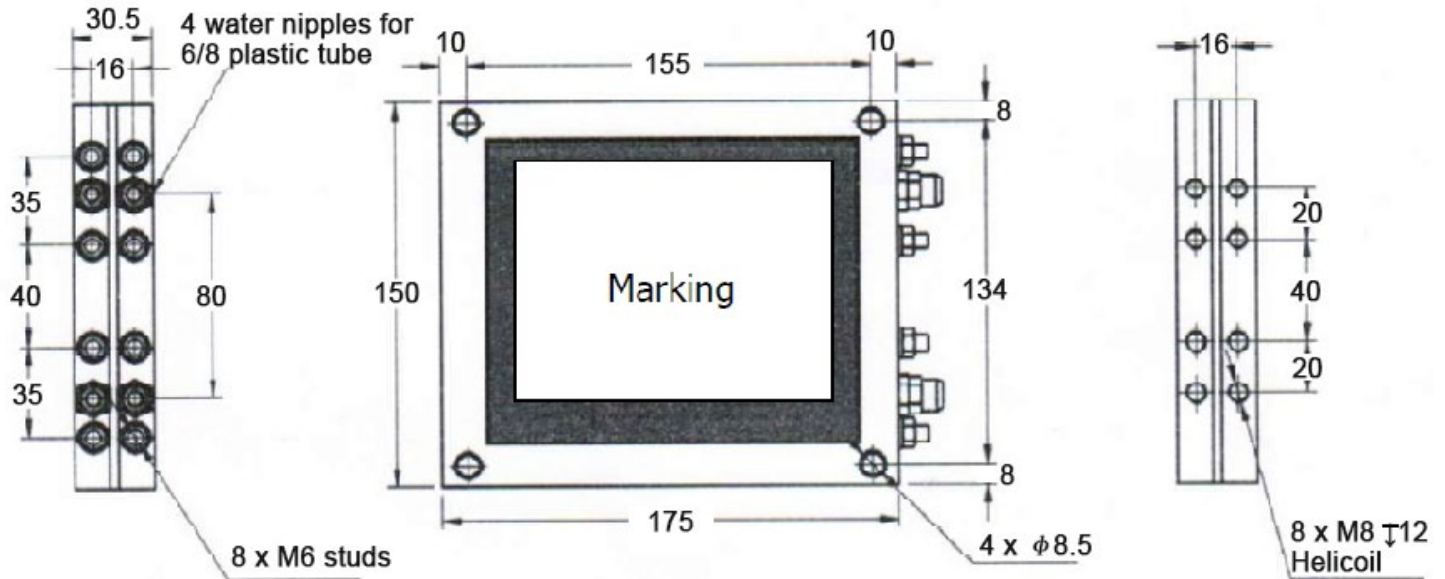
Standard size

Cap(uF)	(kVar)	Rated Voltage (VAC)	Irms (A)	Upeak (V)	Frequency @Full Power (kHz)	ESL (nH)	Outline size (mm)
0.1	300	1000	400	1410	477~840	5	80*80*36.5
0.2	300	1000	400	1410	239~420	5	80*80*36.5
0.24	300	1000	400	1410	200~350	5	80*80*36.5
0.33	300	700	500	990	290~400	5	80*80*36.5
0.47	300	700	500	990	200~280	5	80*80*36.5
0.68	300	700	500	990	140~190	5	80*80*36.5
0.75	300	700	500	990	130~170	5	80*80*36.5
1.0	300	600	650	850	132~190	5	80*80*36.5
1.2	300	500	650	710	160~185	5	80*80*36.5
2.0	300	400	800	570	150~160	5	80*80*36.5
4.0	300	400	800	570	75~84	5	80*80*36.5

Note: Special requirements can be designed according to customer requirements

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Outline drawing



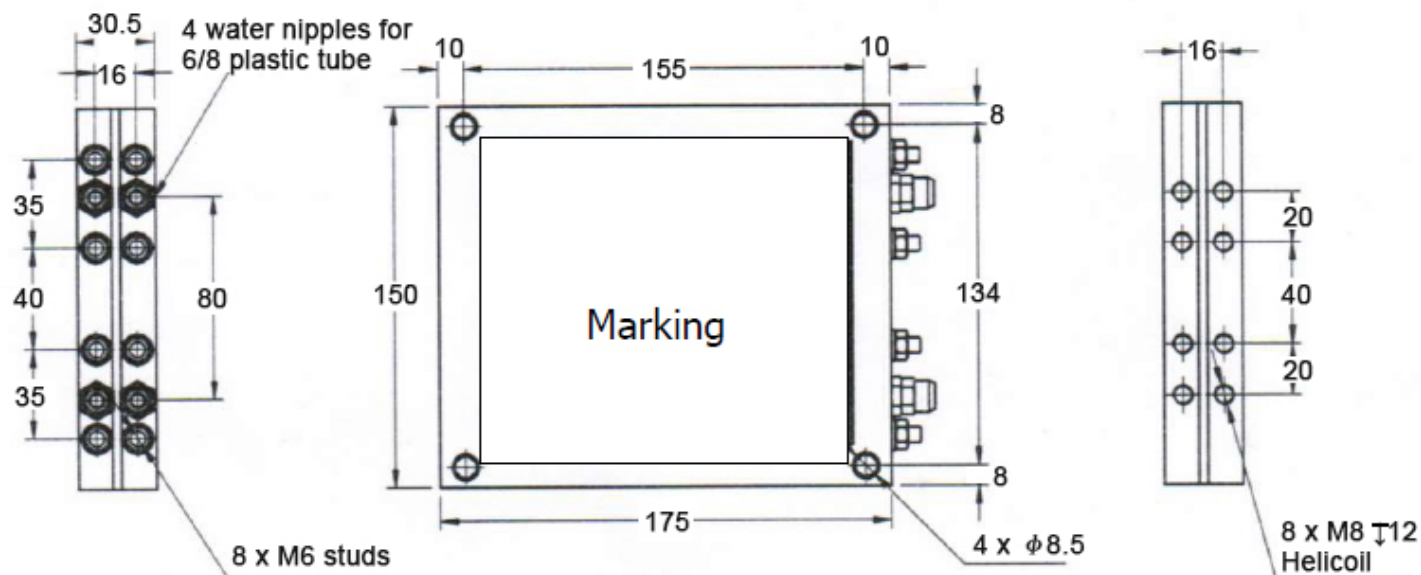
Standard size

Cap(uF)	(kVar)	Rated Voltage (VAC)	Irms (A)	Upeak (V)	Frequency @Full Power (kHz)	ESL (nH)	Outline size (mm)
0.4	800	700	1200	990	650~700	5	160*120*37.5
0.8	800	700	1500	990	325~560	5	160*120*37.5
1.4	800	700	1500	990	186~320	5	160*120*37.5
2.7	800	700	1500	990	96~166	5	160*120*37.5
4.0	800	600	1500	850	88~112	5	160*120*37.5
5.3	800	600	1500	850	67~84	5	160*120*37.5
11	750	500	1500	710	43	5	160*120*37.5
19	600	400	1500	570	31	5	160*120*37.5

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Outline drawing



Standard size

Cap(uF)	(kVar)	Rated Voltage (VAC)	Irms (A)	Upeak (V)	Frequency @Full Power (kHz)	ESL (nH)	Outline size (mm)
0.5	1500	1000	1750	1410	477~650	5	177*150*37.5
1	1500	1000	1750	1410	239~325	5	177*150*37.5
1.7	1500	1000	1750	1410	140~191	5	177*150*37.5
3.3	1500	900	1270	1270	89~201	5	177*150*37.5
5	1500	800	1130	1130	75~133	5	177*150*37.5
6.6	1500	700	990	990	74~145	5	177*150*37.5
13.2	1500	600	850	850	50~72	5	177*150*37.5
24	1500	500	710	710	40	5	177*150*37.5

Note: Special requirements can be designed according to customer requirements

Note: Specifications are subject to change without notice. For more detail and update, please visit our website.