

DTR-C 系列:轴向高压谐振电容器 (Axial high voltage Resonant Capacitor)

产品介绍 | Product introduction

金属化聚丙烯薄膜卷绕而成, 迈拉胶带或塑料外壳封装, 铜螺母引出。

It is made of metallized polypropylene film, packaged with Mylar tape or plastic shell, and led out by copper nut.

特点 | Characteristic

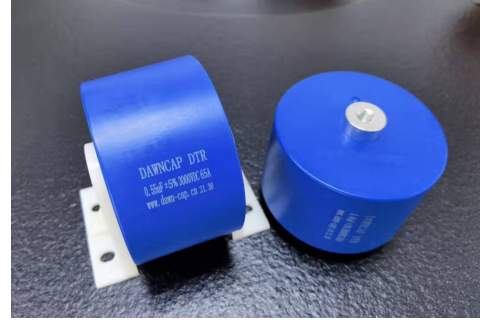
- 体积小 | Small size
- 杂散电感小 | Small stray inductance
- 过电流能力强 | Strong over current capability
- 稳定性好 | Good stability
- 可靠性高 | High reliability
- 无感结构 | Non inductive structure
- 安装简单方便 | The installation is simple and convenient

性能指标 | Performance index

应用场合 | Application occasion

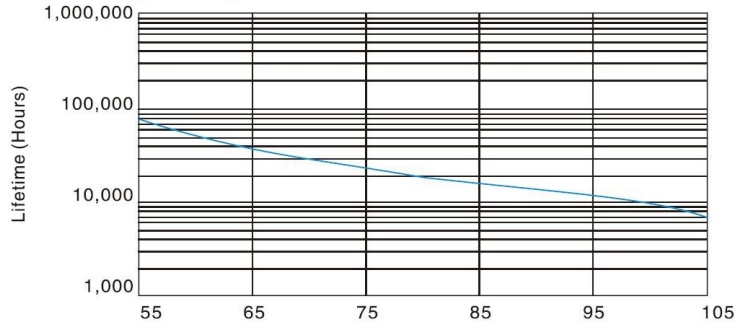
用于各类中、高频电子设备的串、并联 LC 谐振电路。

It is used for series and parallel LC resonant circuits of various medium and high frequency electronic equipment.

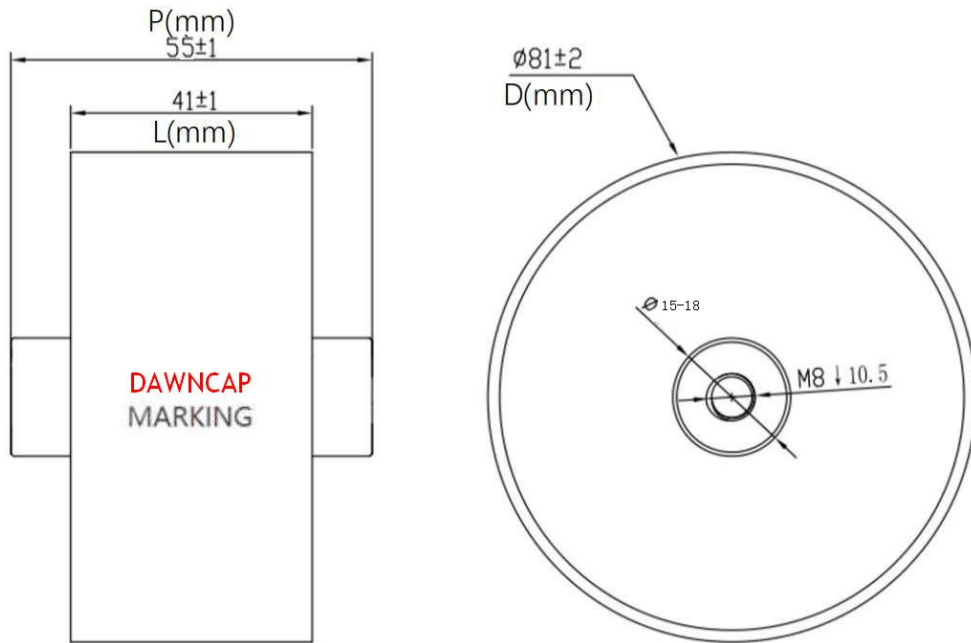


引用标准	GB/T3984 IEC60110
容量范围	0.1~10 μ F
容量偏差	±5% (J) ±10% (K)
电压范围	1200V.AC~1600V.AC (3000VDC~3600VDC)
极间耐压	2Un/10s
过电压	1.05Un (12h/day)
可重复峰值电压	1.5Un
过度瞬间电压	3.0Un
额定有效电流	20~100A
最大允许电流	1.2In (60Hz)
	1.15In (>60Hz)
损耗角正切	tg δ 0 ≤ 0.0005 (10kHz 20° C)
绝缘电阻	Cn ≤ 0.33 μ F ≥ 15000M Ω
	Cn ≤ 0.33 μ F ≥ 10000s
耐电流冲击能力	>20V/ μ S
工作温度范围	-40° C~85° C/105° C
储存温度范围	-40° C~85° C
使用海拔	<4000m
预期寿命	30000h (θ h. s ≤ 70° C)
封装形式	迈拉胶带或塑料外壳封装, 白色或黑色环氧

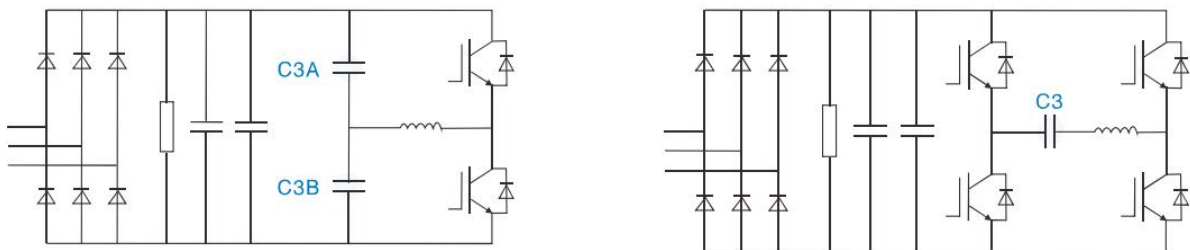
预期使用寿命 | Lifetime expectancy for DTR



产品外型图 | Product outline



应用电路图:



产品规格尺寸 | Product specifications and dimensions

Part Number	CAP μF	Dimension (mm)				du/dt v/μs	RSL nH	ESR@ mΩ	I _{rms} (A)
		L	D	T	Output				
Un3000Vdc Utt=4500VDC 60A									
DTR-3000V-444J-60A	0.44	41	65	7.0	M6*15	1000	25	7.2	60A
DTR-3000V-474J-60A	0.47	41	65	7.0	M6*15	1000	25	7.0	60A
DTR-3000V-504J-60A	0.50	41	65	7.0	M6*15	1000	25	6.4	60A
DTR-3000V-554J-60A	0.55	41	65	7.0	M6*15	1000	25	5.8	60A
DTR-3000V-604J-60A	0.60	41	65	7.0	M6*15	1000	25	5.3	60A
DTR-3000V-654J-60A	0.65	41	65	7.0	M6*15	1000	25	4.8	60A
Un3000Vdc Utt=4500VDC 65A									
DTR-3000V-554J-65A	0.55	41	70	7.0	M6*15	1000	25	5.8	65A
DTR-3000V-604J-65A	0.60	41	70	7.0	M6*15	1000	25	5.3	65A
DTR-3000V-654J-65A	0.65	41	70	7.0	M6*15	1000	25	4.9	65A
DTR-3000V-704J-65A	0.70	41	70	7.0	M6*15	1000	25	4.5	65A
DTR-3000V-754J-65A	0.75	41	70	7.0	M6*15	1000	25	4.2	65A
DTR-3000V-804J-65A	0.80	41	70	7.0	M6*15	1000	25	4.0	65A
DTR-3000V-854J-65A	0.85	41	70	7.0	M6*15	1000	25	3.8	65A
DTR-3000V-904J-65A	0.90	41	70	7.0	M6*15	1000	25	3.5	65A
Un3000Vdc Utt=4500VDC 70A									
DTR-3000V-604J-70A	0.60	41	75	7.0	M8*18	1000	25	5.2	70A
DTR-3000V-654J-70A	0.65	41	75	7.0	M8*18	1000	25	4.9	70A
DTR-3000V-704J-70A	0.70	41	75	7.0	M8*18	1000	25	4.5	70A
DTR-3000V-754J-70A	0.75	41	75	7.0	M8*18	1000	25	4.2	70A
DTR-3000V-804J-70A	0.80	41	75	7.0	M8*18	1000	25	4.0	70A
DTR-3000V-854J-70A	0.85	41	75	7.0	M8*18	1000	25	3.8	70A
DTR-3000V-904J-70A	0.90	41	75	7.0	M8*18	1000	25	3.5	70A
DTR-3000V-105J-70A	1.00	41	75	7.0	M8*18	1000	25	3.2	70A
DTR-3000V-115J-70A	1.10	41	75	7.0	M8*18	1000	25	2.9	70A
Un3000Vdc Utt=4500VDC 80A									
DTR-3000V-704J-80A	0.70	41	81	7.0	M8*18	1000	25	4.5	80A
DTR-3000V-754J-80A	0.75	41	81	7.0	M8*18	1000	25	4.2	80A
DTR-3000V-804J-80A	0.80	41	81	7.0	M8*18	1000	25	4.0	80A
DTR-3000V-854J-80A	0.85	41	81	7.0	M8*18	1000	25	3.8	80A
DTR-3000V-904J-80A	0.90	41	81	7.0	M8*18	1000	25	3.5	80A
DTR-3000V-954J-80A	0.95	41	81	7.0	M8*18	1000	25	3.3	80A
DTR-3000V-105J-80A	1.00	41	81	7.0	M8*18	500	25	3.2	80A
DTR-3000V-115J-80A	1.10	41	81	7.0	M8*18	500	25	2.9	80A
DTR-3000V-125J-80A	1.20	41	81	7.0	M8*18	500	25	2.7	80A
DTR-3000V-130J-80A	1.30	41	81	7.0	M8*18	500	25	2.5	80A
DTR-3000V-135J-80A	1.35	41	81	7.0	M8*18	500	25	2.3	80A
DTR-3000V-145J-80A	1.45	41	81	7.0	M8*18	500	25	2.2	80A

Part Number	CAP μF	Dimension (mm)				du/dt v/μs	RSL nH	ESR@ mΩ	I _{rms} (A)
		L	D	T	Output				
Un3600Vdc Utt=5400VDC 60A									
DTR-3600V-224J-60A	0.22	41	65	7.0	M6*15	1000	25	9.6	60A
DTR-3600V-254J-60A	0.25	41	65	7.0	M6*15	1000	25	9.2	60A
DTR-3600V-304J-60A	0.30	41	65	7.0	M6*15	1000	25	8.8	60A
DTR-3600V-334J-60A	0.33	41	65	7.0	M6*15	1000	25	8.2	60A
DTR-3600V-364J-60A	0.36	41	65	7.0	M6*15	1000	25	8.1	60A
DTR-3600V-404J-60A	0.40	41	65	7.0	M6*15	1000	25	8.0	60A
Un3600Vdc Utt=5400VDC 65A									
DTR-3600V-244J-60A	0.24	41	70	7.0	M6*15	1000	25	9.2	65A
DTR-3600V-304J-60A	0.30	41	70	7.0	M6*15	1000	25	8.8	65A
DTR-3600V-354J-60A	0.35	41	70	7.0	M6*15	1000	25	8.3	65A
DTR-3600V-404J-60A	0.40	41	70	7.0	M6*15	1000	25	8.0	65A
DTR-3600V-444J-60A	0.44	41	70	7.0	M6*15	1000	25	7.2	65A
DTR-3600V-474J-60A	0.47	41	70	7.0	M6*15	1000	25	7.0	65A
DTR-3600V-504J-60A	0.50	41	70	7.0	M6*15	1000	25	6.5	65A
Un3600Vdc Utt=5400VDC 70A									
DTR-3600V-204J-70A	0.20	41	75	7.0	M8*18	1000	25	9.8	70A
DTR-3600V-254J-70A	0.25	41	75	7.0	M8*18	1000	25	8.7	70A
DTR-3600V-304J-70A	0.30	41	75	7.0	M8*18	1000	25	8.5	70A
DTR-3600V-354J-70A	0.35	41	75	7.0	M8*18	1000	25	8.3	70A
DTR-3600V-404J-70A	0.40	41	75	7.0	M8*18	1000	25	8.0	70A
DTR-3600V-444J-70A	0.44	41	75	7.0	M8*18	1000	25	7.2	70A
DTR-3600V-474J-70A	0.47	41	75	7.0	M8*18	1000	25	7.0	70A
DTR-3600V-504J-70A	0.50	41	75	7.0	M8*18	1000	25	6.5	70A
DTR-3600V-554J-70A	0.55	41	75	7.0	M8*18	1000	25	5.7	70A
Un3600Vdc Utt=5400VDC 80A									
DTR-3600V-334J-80A	0.33	41	81	7.0	M8*18	1000	25	8.0	80A
DTR-3600V-404J-80A	0.40	41	81	7.0	M8*18	1000	25	8.0	80A
DTR-3600V-444J-80A	0.44	41	81	7.0	M8*18	1000	25	7.2	80A
DTR-3600V-474J-80A	0.47	41	81	7.0	M8*18	1000	25	7.0	80A
DTR-3600V-504J-80A	0.50	41	81	7.0	M8*18	1000	25	6.5	80A
DTR-3600V-554J-80A	0.55	41	81	7.0	M8*18	1000	25	5.8	80A
DTR-3600V-604J-80A	0.60	41	81	7.0	M8*18	1000	25	5.3	80A
DTR-3600V-654J-80A	0.65	41	81	7.0	M8*18	1000	25	4.8	80A

注:以上参数仅作参考,以实际图际为准!

Note:the above parameters for reference only,see the drawing for details

How to Order:

DTR-3000V - 334 J 60A

