



供应商名称: 赫威斯电容器制作有限公司

承认书编号:

产品承认书

客户名称:

产品名称: 高频高功率陶瓷电容器

客户物料编号:

供方物料编号:

承认书生效日期: 年 月 日

制造商		客户确认	
拟制	章清	合 格 OK ☐	
		不合格 NG ☐	
审核	余银龙	审核	
批准	王 军	批准	

(双方确认承认书合格后必须签字盖章)

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	物料编码	
高频高功率陶瓷电容器	版 本	页 数
	A	2

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	物料编码	
高频高功率陶瓷电容器	版 本	页 数
	A	3

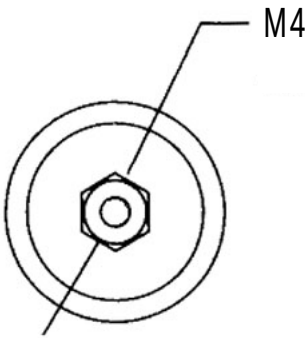
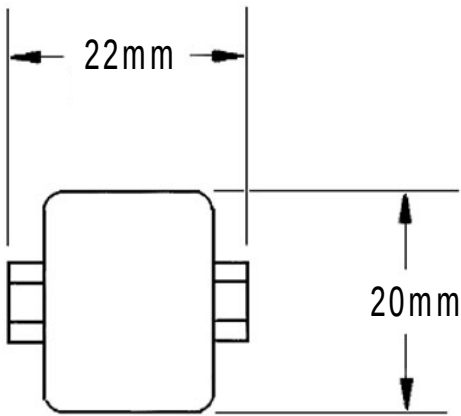
■ 应用

- 无线电通信
- 广播电视发射机
- 雷达工程
- 宇航卫星
- 医疗器械

■ 容量范围

10pF to 700pF

■ 尺寸图



	物料编码	
高频高功率陶瓷电容器	版 本	页 数
	A	4

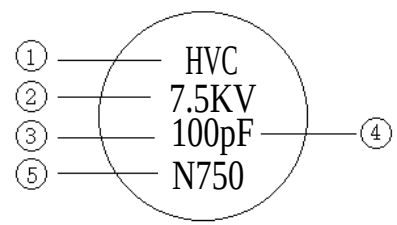
■ 规格

D=Diameter, H=Height, L=Length, M=Metric

HVC
品牌
 HF
类别
 A
尺寸类别
 101
电容量
 7.5kV
额定电压

序号	电容量 (pF)		温度系数 组别	直流电压 (KV_)		尺寸		
						D±0.5	M	H±1.0
	标称值	允许偏差		额定	测试	mm		
1	10	K（±10%）	NPO	7.5	11	20.0	M4	22.0
2	15		NPO					
3	25		NPO					
4	40		NPO					
5	50		NPO					
6	100		N750					

■ 标识方法

 ① — HVC ② — 7.5KV ③ — 100pF ④ — N750	① 厂家标志
	② 温度特性
	③ 标称容量
	④ 容量偏差
	⑤ 额定电压



	物料编码	
高频高功率陶瓷电容器	版 本	页 数
	A	5
■ 规格及试验方法		
测试项目	测试要求	测试条件
电 容 量	标称值×（1±10%）	1MHz, 测试电压：1V
tgδ×10 ⁻⁴	<10	1MHz, 测试电压：1V
绝缘电阻 Ri	>1×10 ¹⁰ Ω	DC500V/1 分钟
测试电压	无飞弧和击穿	直流测试电压/1 分钟
工作温度范围	-25℃~+85℃	
 注意事项: (1) 搬运、保管时 请避免在高温、潮湿以及淋雨状态下搬运、保管。 避免碰撞。 请不要放置于 H ₂ SO ₄ , HCL, HNO ₃ 等有毒气体中。 (2) 操作时 避免碰撞。 请不要沾上汗水等电解质, 请不要光着手操作。 请勿在螺钉端子上焊接。 请勿重新加工端子。 (3) 使用上 尽可能避免来自机械性管道等的放射热量传导给电容器。		

HEC’ s HT50 HT57 系列以及 Vishay 的 TOS 030033 和 TOS 020016 系列是世界上主要的 RF power Barrel 生产商。 此类电容是 RF POWER CAPACITOR 的其中一个主要分类。以鼓型的外观著称，广泛应用在广播天线发射，高频加热，射频电源，医疗设备，雷达等等高端应用中。

由于 COVID19 导致欧美供应商的断裂问题，许多工业品的欧美厂家包括 High Energy Capacitor (HEC) 和 Vishay -Draloric 相继停工。导致市场上的客户急切寻找可以替代的 HEC 和 Vishay 的 RF power barrel capacitors，HVC 电容公司的 HVCHF 系列高频高功率电容，可以作为良好的替代方案。

此类高频陶瓷电容在中国的生产历史可以追溯到 70 年前苏联援助项目，东德支持中国建设视频电容的生产线，经过几十年的改进，中国粉料供应商发展出 NPO, N750, N4700, Y5T, X5U 等等一类和二类陶瓷粉料。HVC 采用以上陶瓷粉料生产的高压视频电容已经享誉全球。主要特点为低损耗，高可靠性，和高额定电压。HVC 高功率视频电容主要市场为射频电源，介质发热，医疗宝石冶炼，和雷达通讯。

以下为 HVC 的 HVCHF 系列完整替代 HEC 的高频高功率鼓型 RF power barrel capacitors，包括 HT50, HT57, HH57, HT58, HT59 系列，和 Vishay Draloric 的 5FAE, 7FAA, TOS 0300033, TOS 020016 系列，HVC 提供的电容小为直径 20mm，30mm，58mm 以下为详细的对照列表。

HEC / Vishay Series	HEC Part Number	HVC Alternative Part Number	Capacitance	Dielectric	VMAX(DC)	Diameter(mm)
HEC HT50	HT50V100KA	HVCHF-A-10P-7.5KV	10 pF	NPO	7.5 kV	20
HEC HT50	HT50V150KA	HVCHF-A-15P-7.5KV	15 pF	NPO	7.5 kV	20
HEC HT50	HT50V250KA	HVCHF-A-25P-7.5KV	25 pF	NPO	7.5 kV	20
HEC HT50	HT50V300KA	HVCHF-A-30P-7.5KV	30 pF	NPO	7.5 kV	20
HEC HT50	HT50V350KA	HVCHF-A-35P-7.5KV	35 pF	NPO	7.5 kV	20
HEC HT50	HT50V400KA	HVCHF-A-40P-7.5KV	40 pF	NPO	7.5 kV	20
HEC HT50	HT50V450KA	HVCHF-A-45P-7.5KV	45 pF	NPO	7.5 kV	20
HEC HT50	HT50V500KA	HVCHF-A-50P-7.5KV	50 pF	NPO	7.5 kV	20
HEC HT50	HT50V550KA	HVCHF-A-55P-7.5KV	55 pF	NPO	7.5 kV	20
HEC HT50	HT50V600KA	HVCHF-A-60P-7.5KV	60 pF	NPO	7.5 kV	20
HEC HT50	HT50V650KA	HVCHF-A-65P-7.5KV	65 pF	NPO	7.5 kV	20
HEC HT50	HT50V750KA	HVCHF-A-75P-7.5KV	75 pF	N750	7.5 kV	20
HEC HT50	HT50V101KA	HVCHF-A-101-7.5KV	100 pF	N750	7.5 kV	20
HEC HT50	HT50V151KA	HVCHF-A-151-7.5KV	150 pF	N750	7.5 kV	20
HEC HT50	HT50V171KA	HVCHF-A-171-7.5KV	170 pF	N750	7.5 kV	20
HEC HT50	HT50V201KA	HVCHF-A-201-7.5KV	200 pF	N4700	7.5 kV	20
HEC HT50	HT50V301KA	HVCHF-A-301-7.5KV	300 pF	N4700	7.5 kV	20
HEC HT50	HT50V401KA	HVCHF-A-401-7.5KV	400 pF	N4700	7.5 kV	20
HEC HT50	HT50V501KA	HVCHF-A-501-7.5KV	500 pF	N4700	7.5 kV	20
HEC HT50	HT50V601KA	HVCHF-A-601-7.5KV	600 pF	N4700	7.5 kV	20
HEC HT50	HT50V701KA	HVCHF-A-701-7.5KV	700 pF	N4700	7.5 kV	20

HEC HT58	HT58V400KA	HVCHF-A-UJ-40P-7.5KV	40 pF	N750	7.5 kV	20
HEC HT58	HT58V500KA	HVCHF-A-UJ-50P-7.5KV	50 pF	N750	7.5 kV	20
HEC HT58	HT58V600KA	HVCHF-A-UJ-60P-7.5KV	60 pF	N750	7.5 kV	20
HEC HT58	HT58V650KA	HVCHF-A-UJ-65P-7.5KV	65 pF	N750	7.5 kV	20
HEC HT57	HT57Y100KA	HVCHF-B-10P-15KV	10 pF	NP0	15 kV	30
HEC HT57	HT57Y250KA	HVCHF-B-25P-15KV	25 pF	NP0	15 kV	30
HEC HT57	HT57Y500KA	HVCHF-B-50P-15KV	50 pF	NP0	15 kV	30
HEC HT57	HT57Y600KA	HVCHF-B-60P-15KV	60 pF	NP0	15 kV	30
HEC HT57	HT57Y750KA	HVCHF-B-75P-15KV	75 pF	N750	15 kV	30
HEC HT57	HT57Y101KA	HVCHF-B-101-15KV	100 pF	N750	15 kV	30
HEC HT57	HT57Y151KA	HVCHF-B-151-15KV	150 pF	N750	15 kV	30
HEC HT57	HT57Y201KA	HVCHF-B-201-15KV	200 pF	N750	15 kV	30
HEC HT57	HT57Y251KA	HVCHF-B-251-15KV	250 pF	N4700	15 kV	30
HEC HT57	HT57Y301KA	HVCHF-B-301-15KV	300 pF	N4700	15 kV	30
HEC HT57	HT57Y401KA	HVCHF-B-401-15KV	400 pF	N4700	15 kV	30
HEC HT57	HT57Y501KA	HVCHF-B-501-15KV	500 pF	N4700	15 kV	30
HEC HT59	HT594500MA	HVCHF-C-50P-25KV	50 pF	NP0	25 kV	58
HEC HT59	HT594750MA	HVCHF-C-75P-25KV	75 pF	NP0	25 kV	58
HEC HT59	HT594101MA	HVCHF-C-101-25KV	100 pF	NP0	25 kV	58
HEC HT59	HT594131MA	HVCHF-C-131-25KV	130 pF	NP0	25 kV	58
HEC HT59	HT594151MA	HVCHF-C-151-25KV	150 pF	N750	25 kV	58
HEC HT59	HT594201MA	HVCHF-C-201-25KV	200 pF	N750	25 kV	58
HEC HT59	HT594251MA	HVCHF-C-251-25KV	250 pF	N750	25 kV	58
HEC HT59	HT594301MA	HVCHF-C-301-25KV	300 pF	N4700	25 kV	58
HEC HT59	HT594501MA	HVCHF-C-501-25KV	500 pF	N4700	25 kV	58
HEC HT59	HT594701MA	HVCHF-C-701-25KV	700 pF	N4700	25 kV	58
HEC HT59	HT594801MA	HVCHF-C-801-25KV	800 pF	N4700	25 kV	58
HEC HT59	HT594102MA	HVCHF-C-102-25KV	1000 pF	N4700	25 kV	58
HEC HT59	HT594152MA	HVCHF-C-152-25KV	1500 pF	N4700	25 kV	58
HEC HT58	HH58V501KA	HVCHF-A-DL-501-7.5KV	500 pF	N4700	7.5 kV	20
HEC HT58	HH58V701KA	HVCHF-A-DL-701-7.5KV	700 pF	N4700	7.5 kV	20
HEC HT58	HH58V901KA	HVCHF-A-DL-901-7.5KV	900 pF	N4700	7.5 kV	20
HEC HT58	HH58V102KA	HVCHF-A-E-102-7.5KV	1000 pF	Y5U	7.5 kV	20
HEC HT58	HH58V202KA	HVCHF-A-E-202-7.5KV	2000 pF	Y5U	7.5 kV	20
HEC HT58	HH58V252KA	HVCHF-A-E-252-7.5KV	2500 pF	Y5U	7.5 kV	20
HEC HH57	HH57Y751KA	HVCHF-B-DL-751-15KV	750 pF	N4700	15 kV	30
HEC HH57	HH57Y102KA	HVCHF-B-DL-102-15KV	1000 pF	N4700	15 kV	30
HEC HH57	HH57Y122KA	HVCHF-B-2E2-122-15KV	1200 pF	2E2	15 kV	30

HEC HH57	HH57Y152KA	HVCHF-B-2E2-152-15KV	1500 pF	2E2	15 kV	30
Vishay 7FAA	7FAA100K	HVCHF-A-NP0-10P-7.5KV	10 pF	NP0	7.5 kV	20
Vishay 7FAA	7FAA200K	HVCHF-A-NP0-20P-7.5KV	20 pF	NP0	7.5 kV	20
Vishay 7FAA	7FAA250K	HVCHF-A-NP0-25P-7.5KV	25 pF	NP0	7.5 kV	20
Vishay 7FAA	7FAA300K	HVCHF-A-NP0-30P-7.5KV	30 pF	NP0	7.5 kV	20
Vishay 7FAA	7FAA500K	HVCHF-A-NP0-50P-7.5KV	50 pF	NP0	7.5 kV	20
Vishay 7FAU	7FAU750K	HVCHF-A-N750-75P-7.5KV	75 pF	N750	7.5 kV	20
Vishay 7FAU	7FAU101K	HVCHF-A-N750-101-7.5KV	100 pF	N750	7.5 kV	20
Vishay 5FAE	5FAE501M	HVCHF-A-E-501-5KV	500 pF	Y5U	5 kV	20
Vishay 5FAE	5FAE801M	HVCHF-A-E-801-5KV	800 pF	Y5U	5 kV	20
Vishay 5FAE	5FAE102M	HVCHF-A-E-102-5KV	1000 pF	Y5U	5 kV	20
Vishay TOS 030033	BS030033BJ10036AC1	HVCHF-B-NP0-10P-15KV	10 pF	NP0	15 kV	30
Vishay TOS 030033	BS030033BJ25036AC1	HVCHF-B-NP0-25P-15KV	25 pF	NP0	15 kV	30
Vishay TOS 030033	BS030033BJ50036AC1	HVCHF-B-NP0-50P-15KV	50 pF	NP0	15 kV	30
Vishay TOS 030033	BS030033BJ75036AL1	HVCHF-B-N750-75P-15KV	75 pF	N750	15 kV	30
Vishay TOS 030033	BS030033BJ10136AL1	HVCHF-B-N750-101-15KV	100 pF	N750	15 kV	30
Vishay TOS 030033	BS030033BJ15136AL1	HVCHF-B-N750-151-15KV	150 pF	N750	15 kV	30
Vishay TOS 030033	BS030033BJ20136AL1	HVCHF-B-N750-201-15KV	200 pF	N750	15 kV	30
Vishay TOS 030033	BS030033BJ30136AQ1	HVCHF-B-N4700-301-15KV	300 pF	N4700	15 kV	30
Vishay TOS 030033	BS030033BJ40136AQ1	HVCHF-B-N4700-401-15KV	400 pF	N4700	15 kV	30
Vishay TOS 030033	BS030033BJ50136AQ1	HVCHF-B-N4700-501-15KV	500 pF	N4700	15 kV	30
Vishay TOS 030033	BS030033BJ75138AV1	HVCHF-B-N4700-751-15KV	750 pF	N4700	15 kV	30
Vishay TOS 030033	BS030033BJ10238AV1	HVCHF-B-N4700-102-15KV	1000 pF	N4700	15 kV	30
Vishay TOS 030033	BS030033BJ12238AV1	HVCHF-B-N4700-122-15KV	1200 pF	N4700	15 kV	30
Vishay TOS 030033	BS030033BJ15238AV1	HVCHF-B-N4700-152-15KV	1500 pF	N4700	15 kV	30
Vishay TOS 020016	BS020016VZ10036AC1	HVCHF-B1-NP0-10P-7.5KV	10 pF	NP0	7.5 kV	21
Vishay TOS 020016	BS020016VZ15036AC1	HVCHF-B1-NP0-15P-7.5KV	15 pF	NP0	7.5 kV	21
Vishay TOS 020016	BS020016VZ25036AC1	HVCHF-B1-NP0-25P-7.5KV	25 pF	NP0	7.5 kV	21
Vishay TOS 020016	BS020016VZ30036AC1	HVCHF-B1-NP0-30P-7.5KV	30 pF	NP0	7.5 kV	21
Vishay TOS 020016	BS020016VZ40036AC1	HVCHF-B1-NP0-40P-7.5KV	40 pF	NP0	7.5 kV	21
Vishay TOS 020016	BS020016VZ50036AC1	HVCHF-B1-NP0-50P-7.5KV	50 pF	NP0	7.5 kV	21
Vishay TOS 020016	BS020016VZ75036AL1	HVCHF-B1-N750-75P-7.5KV	75 pF	N750	7.5 kV	21
Vishay TOS 020016	BS020016VZ10136AL1	HVCHF-B1-N750-101-7.5KV	100 pF	N750	7.5 kV	21
Vishay TOS 020016	BS020016VZ15136AS1	HVCHF-B1-N4700-151-7.5KV	150 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ20136AS1	HVCHF-B1-N4700-201-7.5KV	200 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ30136AS1	HVCHF-B1-N4700-301-7.5KV	300 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ40138AT1	HVCHF-B1-N4700-401-7.5KV	400 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ50138AT1	HVCHF-B1-N4700-501-7.5KV	500 pF	N4700	7.5 kV	21

Vishay TOS 020016	BS020016VZ60138AU1	HVCHF-B1-N4700-601-7.5KV	600 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ80138AU1	HVCHF-B1-N4700-801-7.5KV	800 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ10238AV1	HVCHF-B1-N4700-102-7.5KV	1000 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ15238AV1	HVCHF-B1-N4700-152-7.5KV	1500 pF	N4700	7.5 kV	21
Vishay TOS 020016	BS020016VZ20238BA1	HVCHF-B1-E-202-7.5KV	2000 pF	Y5U	7.5 kV	21
Vishay TOS 020016	BS020016VZ25238BA1	HVCHF-B1-E-252-7.5KV	2500 pF	Y5U	7.5 kV	21



HVC CAPACITOR MANUFACTURING CO., LTD 赫威斯电容器制作有限公司

公司简介

赫威斯电容器（HVC Capacitor）制作有限公司为港资企业，成立于 2012 年 1 月，为拥有 20 多年生产高压陶瓷产品台系厂商成立的出口运营品牌，生产基地位于东莞虎门，产品 95% 出口。

赫威斯电容器专业生产高压陶瓷电容，蓝色陶瓷片型和螺栓型陶瓷电容，其中陶瓷片电容电压做到 2KV 到 50KV，拥有独特专利的 N4700 军工级别陶瓷介电材质（N4700 材质 6KV 到 40KV），主要应用在高端医疗电子设备，如 CT，医疗 X 光机，C 型臂，DR 机，牙医 X 光机，机场安检，无损检测，静电除尘设备等等。螺栓型陶瓷片电容主打 N4700 材质，电压范围 10KV 到 150KV，外形为黑色环氧树脂包封。主要客户为通用电气，柯尼卡美能达，日立 ABB，尼康，西门子，美国强生，美国贝克休斯等知名 500 强企业和众多纳斯达克上市医疗设备公司。

用中国产军工级别材质生产达到外国高端工业水准的电子零件，是赫威斯公司的经营方针和一贯追求。2017 年起至今，美日欧品牌如日本村田，美国 AVX，美国威世纷纷由于商业考量和疫情原因退出市场造成供需缺口，赫威斯电容很好地承接了国际高压设备客户的需求。2018 年起赫威斯公司采用收购和合作方式，建立高压电容相搭配的高压二极管和高压厚膜电阻产品线，也逐渐获得高压设备客户的认可。

赫威斯公司现有国外代理商伙伴分布在德国、法国、英国、美国、日本、韩国、印度、俄罗斯。为应对中国市场外资工厂的需求，也设立了中国代理商，国内外代理商主要由赫威斯公司指派跟进当地重点客户。我司的目标是成为高压电子零件行业知名的新兴品牌。

HVC Capacitor is HongKong owned manufacturing company, with over 20 years production experience in high voltage ceramic capacitors field. Our plant located in Dongguan City, Southern China. Currently, 95% of HVC product are exported, HVC capacitor also has significant present in domestic market.

HVC Capacitor specializes in producing both lead type ceramic disc capacitors (blue color) and screw terminal type ceramic capacitors (black resin). For ceramic disc type available voltage from 2KV to 50KV (patent N4700 material) Typical applications including Medical X-ray machines, C-arm, DR (digital radiography), Dental X-ray, Security scanner, NDT (Industrial Non-destructive testing), electrostatic precipitator, and negative ion machines etc. For screw terminal caps, HVC Capacitor also using N4700 ceramic dielectric, available voltage ranging from 10KV to 150KV. Key customers include GE Healthcare (General Electric), Konica Minolta, Hitachi ABB, Nikon, Siemens, Johnson & Johnson, Baker Hughes, and other Fortune 500 companies. HVC Capacitor's screw terminal products has approved by numbers of NASDAQ-listed medial machine companies.

HVC using Chinese military-grade ceramic dielectric to build capacitor, to meet foreign high end industrial quality demands. Since 2017, HVC Capacitor has successfully replaced Japanese Murata and American Vishay and AVX, who facing obsoleted and supplement and costing problem. HVC Capacitor also builds own brand high voltage diodes (HVD series) and high voltage thick film resistors (HVR series) to meet customer complementary requirements. HV diodes matching up with high voltage ceramic capacitor to build up voltage multiplier circuit, which is essential for high voltage power supply. HVC's HVD series diode has already been approved by important European, USA, and Japanese end user.

HVC Capacitor has established an international distribution channel in advance industrial countries, such as Germany, France, U.K., U.S.A, Japan, Korea, India, and Russia. In U.S. market, HVC cooperates with global top electronic component distributors like AVNET, Digi-Key, Bisco Industries, IBS electronics. HVC also signed up two Chinese domestic distributors to handle requirement from local EMS/OEM.

HVC Capacitor strive to be well-known emerging brand in high voltage component industry.



HVC CAPACITOR MANUFACTURING CO., LTD 赫威斯电容器制作有限公司

INTERNATIONAL DISTRIBUTION



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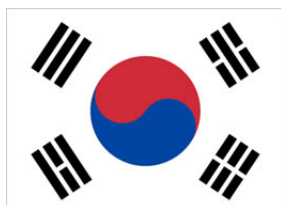
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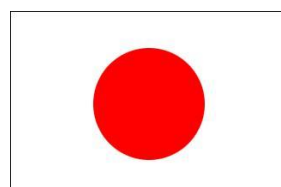
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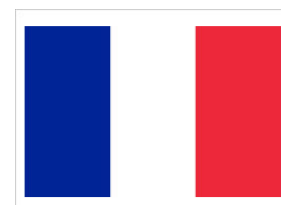
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