


Metal Oxide Varistors (MOV)

Features

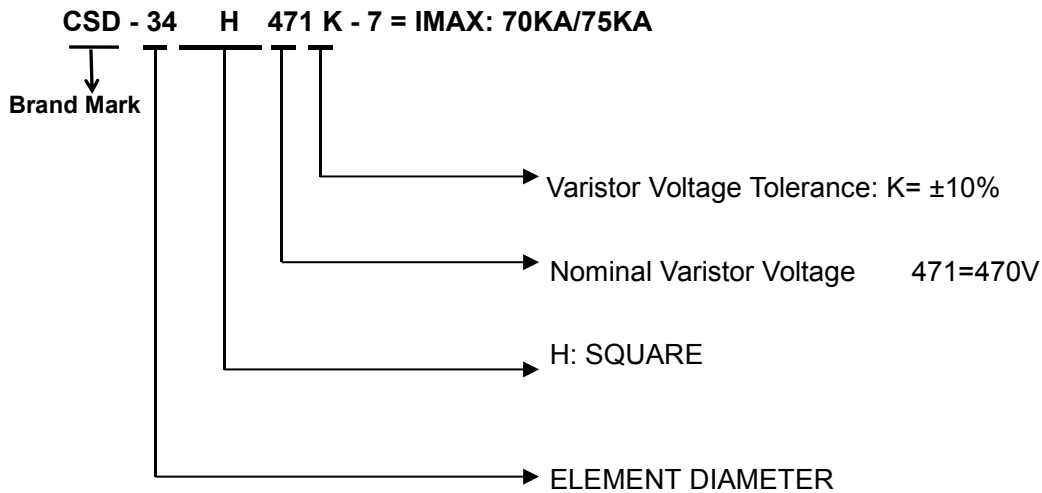
- Wide operating voltage (V_{1mA}) range from 240V to 1200V
- Fast responding to transient over-voltage
- Large absorbing transient energy capability
- Low clamping ratio and no follow-on current
- Meets MSL level 1, per J-STD-020
- Operating Temperature: -40°C ~ +85°C
- Storage Temperature: -40°C ~ +125°C
- UL 1449 4th for SPD Type 5 application
- Safety certification: 



Applications

- Transistor, diode, IC, thyristor or triac semiconductor protection
- Surge protection in consumer electronics
- Surge protection in industrial electronics
- Surge protection in electronic home appliances, gas and petroleum appliances
- Relay and electromagnetic valve surge absorption

Description of Part Number



Delivery Time

Standard MOV	Delivery Time	Standard MOV	Delivery Time
34H241K-7~34H122K-6	35days		

Electrical Characteristics



Part Number Marking	Maximum Allowable Voltage		Varistor Voltage V _{1mA} (V)	Maximum Clamping Voltage		Rated voltage Reference V	Surge Test IEC 61643-11 (8/20μs)	Operating Duty I _{max}	Maximum Energy 10/1000μs Joule	Typical Capacitance (Reference) @1KHz pf	
	V _{AC}	V _{DC}		I _p (A)	V _c (V)						I _n
34H241K-7	150V	200V	240V(222~270)	300A	395V	AC125V	30KA/35KA	70KA/75KA	480J	5650pf	
34H271K-7	180V	225V	270V(256~310)	300A	455V	AC125V	30KA/35KA	70KA/75KA	540J	5100pf	
34H301K-7	190V	250V	300V(270~330)	300A	500V	AC125V	30KA/35KA	70KA/75KA	600J	4510pf	
34H331K-7	210V	275V	330V(297~363)	300A	550V	AC250V Y Connect	30KA/35KA	70KA/75KA	656J	4150pf	
34H361K-7	230V	300V	360V(324~396)	300A	595V		30KA/35KA	70KA/75KA	745J	3750pf	
34H391K-7	250V	320V	390V(362~440)	300A	650V		30KA/35KA	70KA/75KA	830J	3500pf	
34H431K-7	275V	350V	430V(387~473)	300A	710V		30KA/35KA	70KA/75KA	920J	2950pf	
34H471K-7	300V	385V	470V(423~517)	300A	775V	AC	30KA/35KA	70KA/75KA	1000J	2880pf	
34H511K-7	320V	415V	510V(459~561)	300A	845V		AC250V	30KA/35KA	70KA/75KA	1060J	2650pf
34H561K-7	350V	460V	560V(504~616)	300A	925V		AC250V	30KA/35KA	70KA/75KA	1150J	2450pf
34H621K-7	385V	505V	620V(558~682)	300A	1025V		AC250V	30KA/35KA	70KA/75KA	1250J	2200pf
34H681K-7	420V	560V	680V(612~748)	300A	1120V	AC250V	30KA/35KA	70KA/75KA	1250J	2000pf	
34H711K-7	440V	585V	710V(644~786)	300A	1180V	AC	30KA/35KA	70KA/75KA	1280J	1950pf	
34H751K-7	460V	615V	750V(675~825)	300A	1240V		30KA	75KA	1280J	1820pf	
34H781K-7	485V	640V	780V(702~858)	300A	1290V		30KA	75KA	1350J	1750pf	
34H821K-7	510V	670V	820V(738~902)	300A	1355V		30KA	75KA	1395J	1650pf	
34H911K-6	550V	745V	910V(819~1001)	300A	1500V	AC380V or G	25KA	65KA	1475J	1500pf	
34H951K-6	575V	760V	950V(855~1045)	300A	1570V	AC380V or G	25KA	65KA	1485J	1430pf	
34H102K-6	625V	825V	1000V(900~1100)	300A	1650V	AC380V or G	25KA	65KA	1550J	1360pf	
34H112K-6	680V	895V	1100V(990~1210)	300A	1815V	AC380V or G	25KA	65KA	1650J	1250pf	
34H122K-6	750V	980V	1200V(1080~1320)	300A	1980V	AC380V or G	25KA	65KA	1750J	1150pf	

Dimension(mm)



1.1	APPEARANCE	Without Any Crack, Marking Should be Clear	
1.2	DIMENSIONS (mm)		
A (±0.5)	34.5mm	B(±0.5)	34.5mm
C(±1)	43mm	D(±1)	6mm
E (±0.1)	8.0mm	e (±0.05)	0.5mm



TABLE2	
Part number	T(±1.0mm)
34H241K-7	3.80mm
34H271K-7	4.05mm
34H301K-7	4.17mm
34H331K-7	4.38mm
34H361K-7	4.58mm
34H391K-7	4.87mm
34H431K-7	5.07mm
34H471K-7	5.34mm
34H511K-7	5.62mm
34H561K-7	5.96mm
34H621K-7	6.38mm
34H681K-7	6.79mm
34H711K-7	7.03mm
34H751K-7	7.27mm
34H781K-7	7.48mm
34H821K-7	7.76mm
34H911K-6	8.38mm
34H951K-6	8.65mm
34H102K-6	9.01mm
34H112K-6	9.10mm
34H122K-6	9.20mm

Packing Information



Part Number	Quantity	Packaging Option
34H241K-7 ~ 34H561K-7	32PCS	Foam box
34H621K-7 ~ 34H122K-6	20PCS	Foam box

Foam Box Bulk Pack



Material List

Drawing				
	Material chart	Item	Composition	Manufacturer
RoHs	Coating	Epoxy Resin	Made in China, and in line with the UL 94-V0 testing, meet the environmental requirements	
	Electrode Terminal	Copper sheet electrode	Made in China, meet the environmental requirements	
	Electrode	Silver	Made in China, meet the environmental requirements	
	Black parcel body	Zinc Oxide	Manufacturer of zinc oxide varistor	
	Solder	Sn:96.5%CU 0.5%Ag3.0%	Made in China, meet the environmental requirements	