

TDK - MLCC

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (L*W) (mm)	Parts Number
C1005	6.3(0J)	1uF	+80%, -20%	1.0*0.5	C1005Y5V0J105ZT
C1005	16(1C)	100nF	+80%, -20%	1.0*0.5	C1005Y5V1C104ZT
C1005	50(1H)	22pF	+/-5%	1.0*0.5	C1005C0G1H220JT
C1608	16(1C)	470nF	+/-10%	1.6*0.8	C1608X7R1C474KT
C1608	25(1E)	100nF	+/-10%	1.6*0.8	C1608X7R1E104KT
C1608	25(1E)	220nF	+/-10%	1.6*0.8	C1608X7R1E224KT
C1608	25(1E)	1uF	+80%, -20%	1.6*0.8	C1608Y5V1E105ZT
C1608	50(1H)	1000pF	+/-10%	1.6*0.8	C1608X7R1H102KT
C1608	50(1H)	47nF	+/-10%	1.6*0.8	C1608X7R1H473KT
C1608	50(1H)	100nF	+/-10%	1.6*0.8	C1608X7R1H104KT
C2012	10(1A)	4.7uF	+/-10%	2.0*1.25	C2012X5R1A475KT
C2012	16(1C)	1uF	+/-10%	2.0*1.25	C2012X7R1C105KT
C2012	25(1E)	470nF	+/-10%	2.0*1.25	C2012X7R1E474KT
C2012	25(1E)	1uF	+/-10%	2.0*1.25	C2012X7R1E105KT
C2012	50(1H)	220nF	+/-10%	2.0*1.25	C2012X7R1H224KT
C2012	50(1H)	330nF	+/-10%	2.0*1.25	C2012X7R1H334KT
C2012	50(1H)	1uF	+80%, -20%	2.0*1.25	C2012Y5V1H105ZT
C2012	100(2A)	100nF	+/-10%	2.0*1.25	C2012X7R2A104KT
C3216	16(1C)	10uF	+/-10%	3.2*1.6	C3216X5R1C106KT
C3216	50(1H)	470nF	+/-10%	3.2*1.6	C3216X7R1H474KT
C3216	50(1H)	1uF	+/-10%	3.2*1.6	C3216X7R1H105KTOOON
C3216	630(2J)	4.7nF	+/-10%	3.2*1.6	C3216X7R2J472KT
C3225	16(1C)	22uF	+/-10%	3.2*2.5	C3225X7R1C226KT
C3225	25(1E)	10uF	+/-10%	3.2*2.5	C3225X7R1E106KT
C3225	100(2A)	2.2uF	+/-10%	3.2*2.5	C3225X7R2A225KT

TDK - MIDDLE-HIGH VOLTAGE CERAMIC CAPACITORS

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T)/ (D*T*F) (mm)	Parts Number
CC16	50 (1H)	100	+/-5%	D1(Diameter)*L1 (Body length)*1(lead length : 2.6*5.7*20	CC165PH1H101J1A
CC16	50 (1H)	82	+/-5%	D1(Diameter)*L1 (Body length)*1(lead length : 2.6*5.7*20	CC165PH1H820J1A
CC16	50 (1H)	68	+/-5%	D1(Diameter)*L1 (Body length)*1(lead length : 2.0*4.5*20	CC167UJ1H680J1A
CC16	50 (1H)	82	+/-5%	D1(Diameter)*L1 (Body length)*1(lead length : 2.0*4.5*20	CC167UJ1H820J1A
CC16	50 (1H)	330	+/-5%	D1(Diameter)*L1 (Body length)*1(lead length : 2.0*4.5*20	CC167UK1H331J1A
CC16	50 (1H)	470	+/-5%	D1(Diameter)*L1 (Body length)*1(lead length : 2.0*4.5*20	CC167UK1H471J1A
CC45	DC 2000	470	+/-5%	13.5*5	CC45SL3DD471JYHN
CC45	DC 3000	15	+/-5%	6*6	CC45SL3FD150JYAN
CC45	DC 3000	22	+/-5%	6*6	CC45SL3FD220JYPNA
CK45	DC 1000	4700	+/-10%	11*5	CK45-B3AD472KYGNA
CK45	DC 1000	220	+/-10%	6*5 (Halogen, Kink Lead)	CK45-R3AD221K-VR
CK45	DC 2000	100	+/-10%	6*5 (Halogen Free)	CK45-R3DD101K-NRA
CD10	AC 400	1500	+/-20%	10*7 (Conventional, Straight Long lead)	CD10-E2GA152MYAS
CD11	AC 400	3300	+/-20%	12*7 (Downsized, KINK, Vertical Short lead)	CD11ZU2GA332MYNK

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T) / (D*T*F) (mm)	Parts Number
CD12	AC 400	2200	+/-20%	11.5*7 (Conventional, HF, Straight Long lead)	CD12-E2GA222MYASA
CD12	AC 400	2200	+/-20%	11.5*7 (Conventional, HF, KINK, Vertical Long lead)	CD12-E2GA222MYGSA
CD12	AC 400	2200	+/-20%	11.5*7 (Conventional, Straight Short lead)	CD12-E2GA222MYHS
CD14	AC 400	3300	+/-20%	13.5*7 (Conventional, Straight Long lead)	CD14-E2GA332MYAS
CD14	AC 400	3300	+/-20%	13.5*7 (Conventional, HF, Straight Long lead)	CD14-E2GA332MYASA
CD14	AC 400	3300	+/-20%	13.5*7 (Conventional, HF, KINK, Vertical Long lead)	CD14-E2GA332MYGSA
CD14	AC 400	3300	+/-20%	13.5*7 (Conventional, KINK, Vertical Short lead)	CD14-E2GA332MYNS
CD16	AC 400	4700	+/-20%	15.5*7 (Conventional, Straight Long lead)	CD16-E2GA472MYAS
CD16	AC 400	4700	+/-20%	15.5*7 (Conventional, HF, Straight Long lead)	CD16-E2GA472MYASA
CD16	AC 400	4700	+/-20%	15.5*7 (Conventional, HF, KINK, Vertical Long lead)	CD16-E2GA472MYGSA
CD16	AC 400	4700	+/-20%	15.5*7 (Conventional, KINK, Vertical Short lead)	CD16-E2GA472MYNS

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T) / (D*T*F) (mm)	Parts Number
CD16	AC 400	4700	+/-20%	15.5*7 (Conventional, HF, KINK, Vertical Short lead)	CD16-E2GA472MYNSA
CD70	AC 400	100	+/-10%	7*7 (Conventional, HF, Straight Long lead)	CD70-B2GA101KYASA
CD70	AC 400	100	+/-10%	7*7 (Conventional, KINK, Vertical Short lead)	CD70-B2GA101KYNS
CD70	AC 400	1000	+/-20%	7*7*10 (Downsized, Straight Long lead)	CD70ZU2GA102MYAK
CD75	AC 400	680	+/-20%	7.5*7*10 (Conventional, Straight Long lead)	CD75-E2GA681MYAS
CD75	AC 400	680	+/-20%	7.5*7*10 (Conventional, HF, Straight Long lead)	CD75-E2GA681MYASA
CD80	AC 400	1500	+/-20%	8*7*10 (Downsized, KINK, Vertical Short lead)	CD80ZU2GA152MYNK
CD85	AC 400	220	+/-10%	8.5*7*10 (Conventional, HF, Straight Long lead)	CD85-B2GA221KYASA
CD85	AC 400	1000	+/-20%	8.5*7*10 (Conventional, HF, Straight Long lead)	CD85-E2GA102MYASA
CD85	AC 400	1000	+/-20%	8.5*7*10 (Conventional, KINK, Vertical Long lead)	CD85-E2GA102MYGS
CD85	AC 400	1000	+/-20%	8.5*7*10 (Conventional, HF, KINK, Vertical Long lead)	CD85-E2GA102MYGSA

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T) / (D*T*F) (mm)	Parts Number
CD85	AC 400	1000	+/-20%	8.5*7*10 (Conventional, Straight Short lead)	CD85-E2GA102MYHS
CD85	AC 400	1000	+/-20%	8.5*7*10 (Conventional,HF, Straight Short lead)	CD85-E2GA102MYHSA
CD85	AC 400	1000	+/-20%	8.5*7*10 (Conventional,KIN K, Vertical Short lead)	CD85-E2GA102MYNS
CD90	AC 400	330	+/-10%	9*7*10 (Conventional, Straight Long lead)	CD90-B2GA331KYAS
CD90	AC 400	330	+/-10%	9*7*10 (Conventional,HF, Straight Long lead)	CD90-B2GA331KYASA
CD90	AC 400	330	+/-10%	9*7*10 (Conventional,KIN K, Vertical Short lead)	CD90-B2GA331KYNS
CD90	AC 400	2200	+/-20%	9.5*7*10 (Downsized, Straight Long lead)	CD90ZU2GA222MYAK
CD95	AC 400	470	+/-10%	9.5*7*10 (Conventional, Straight Long lead)	CD95-B2GA471KYAS
CD95	AC 400	470	+/-10%	9.5*7*10 (Conventional,KIN K, Vertical Short lead)	CD95-B2GA471KYNS
CS10	AC 400	1000	+/-10%	10*7*7.5 (Conventional, Straight Long lead)	CS10-B2GA102KYAS
CS11	AC 400	2200	+/-20%	10.5*7*7.5 (Conventional, Straight Long lead)	CS11-E2GA222MYAS

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T) / (D*T*F) (mm)	Parts Number
CS11	AC 400	2200	+/-20%	10.5*7*7.5 (Conventional, HF, Straight Long lead)	CS11-E2GA222MYASA
CS11	AC 400	2200	+/-20%	10.5*7*7.5 (Conventional, KINK, Vertical Long lead)	CS11-E2GA222MYGS
CS11	AC 400	2200	+/-20%	10.5*7*7.5 (Conventional, HF, KINK, Vertical Long lead)	CS11-E2GA222MYGSA
CS11	AC 400	2200	+/-20%	10.5*7*7.5 (Conventional, Straight Short lead)	CS11-E2GA222MYHS
CS11	AC 400	2200	+/-20%	10.5*7*7.5 (Conventional, KINK, Vertical Short lead)	CS11-E2GA222MYNS
CS12	AC 400	4700	+/-20%	12*7*7.5 (Conventional, HF, Straight Long lead)	CS12-F2GA472MYASA
CS12	AC 400	4700	+/-20%	12*7*7.5 (Conventional, KINK, Vertical Long lead)	CS12-F2GA472MYGS
CS12	AC 400	4700	+/-20%	12*7*7.5 (Conventional, HF, KINK, Vertical Long lead)	CS12-F2GA472MYGSA
CS13	AC 400	3300	+/-20%	12.5*7*7.5 (Conventional, Straight Long lead)	CS13-E2GA332MYAS
CS13	AC 400	3300	+/-20%	12.5*7*7.5 (Conventional, HF, Straight Long lead)	CS13-E2GA332MYASA
CS13	AC 400	3300	+/-20%	12.5*7*7.5 (Conventional, KINK, Vertical Long lead)	CS13-E2GA332MYGS

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T) / (D*T*F) (mm)	Parts Number
CS13	AC 400	3300	+/-20%	12.5*7*7.5 (Conventional, HF, KINK, Vertical Long lead)	CS13-E2GA332MYGSA
CS15	AC 400	4700	+/-20%	14.5*7*7.5 (Conventional, Straight Long lead)	CS15-E2GA472MYAS
CS15	AC 400	4700	+/-20%	14.5*7*7.5 (Conventional, KINK, Vertical Long lead)	CS15-E2GA472MYGS
CS15	AC 400	4700	+/-20%	14.5*7*7.5 (Conventional, HF, KINK, Vertical Long lead)	CS15-E2GA472MYGSA
CS17	AC 400	10000	+/-20%	16.5*7*10 (Conventional, Straight Long lead)	CS17-F2GA103MYAS
CS17	AC 400	10000	+/-20%	16.5*7*10 (Conventional, HF, Straight Long lead)	CS17-F2GA103MYASA
CS17	AC 400	10000	+/-20%	16.5*7*10 (Conventional, KINK, Vertical Long lead)	CS17-F2GA103MYGS
CS65	AC 400	1000	+/-20%	6.5*5*7.5 (Downsized, KINK, Vertical Long lead)	CS65ZU2GA102MYGK
CS70	AC 400	100	+/-10%	7*7*7.5 (Conventional, Straight Long lead)	CS70-B2GA101KYAS
CS70	AC 400	100	+/-10%	7*7*7.5 (Conventional, HF, Straight Long lead)	CS70-B2GA101KYASA

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T) / (D*T*F) (mm)	Parts Number
CS70	AC 400	220	+/-10%	7*7*7.5 (Conventional, Straight Long lead)	CS70-B2GA221KYAS
CS70	AC 400	220	+/-10%	7*7*7.5 (Conventional, KINK, Vertical Long lead)	CS70-B2GA221KYGS
CS70	AC 400	220	+/-10%	7*7*7.5 (Conventional, HF, KINK, Vertical Long lead)	CS70-B2GA221KYGSA
CS70	AC 400	220	+/-10%	7*7*7.5 (Conventional, KINK, Vertical Short lead)	CS70-B2GA221KYNS
CS80	AC 400	1000	+/-20%	8*7*7.5 (Conventional, HF, Straight Long lead)	CS80-E2GA102MYASA
CS80	AC 400	1000	+/-20%	8*7*7.5 (Conventional, HF, KINK, Vertical Long lead)	CS80-E2GA102MYGSA
CS80	AC 400	2200	+/-20%	8*5*7.5 (Downsized, KINK, Vertical Long lead)	CS80ZU2GA222MYGK
CS85	AC 400	330	+/-10%	8.5*7*7.5 (Conventional, Straight Long lead)	CS85-B2GA331KYAS
CS85	AC 400	470	+/-10%	8.5*7*7.5 (Conventional, HF, Straight Long lead)	CS85-B2GA471KYASA
CS85	AC 400	470	+/-10%	8.5*7*7.5 (Conventional, KINK, Vertical Long lead)	CS85-B2GA471KYGS
CS85	AC 400	680	+/-20%	9.5*7*7.5 (Conventional, Straight Long lead)	CS95-B2GA681KYAS

Series	Rated Voltage (V)	Capacitance (pF)	Capacitance Tolerance	Dimension (D*T) / (D*T*F) (mm)	Parts Number
CS90	AC 400	1500	+/-20%	9*7*7.5 (Conventional, Straight Long lead)	CS90-E2GA152MYAS
CS95	AC 400	680	+/-10%	9.5*7*7.5 (Conventional, HF, Straight Long lead)	CS95-B2GA681KYASA
CS95	AC 400	3300	+/-20%	9.5*5*7.5 (Downsized, KINK, Vertical Short lead)	CS95ZU2GA332MYNK

TDK - FERRITE CORE

Material	Core	Parts Number	Dimensions (Unit : mm)		尺寸圖 (Dimensions)
PC40	EER	PC40EER40-E23890A	A	40.0±0.5	
Parameters	單位 (Unit)	規格值 (Values)	B	22.4±0.2	
Al-value	(nH/N2)	3620±25%	C	13.3±0.25	
Ae	(mm2)	149	D	13.3±0.25	
Le	(mm)	98	E	29min	
Ve	(mm3)	14587	F	15.4±0.3	
Core loss	(W max)	6.3	H	(5.28)	
Material	Core	Parts Number	Dimensions (Unit : mm)		尺寸圖 (Dimensions)
PC44	PQ	PC44PQ26/20E34027	A1	26.5±0.45	
Parameters	單位 (Unit)	規格值 (Values)	A2	19.0±0.45	
Al-value	(nH/N2)	6170±25%	B	22.5±0.45	
Ae	(mm2)	119	C	12.0±0.2	
Le	(mm)	46.3	2D	20.15±0.25	
Ve	(mm3)	5490	E	15.5min	
Core loss	(W max)	1.94	2H	11.5±0.3	
Series	Q Values	C (pF)	Dimensions (mm) , (W*H)		Parts Number
M8B	85 +/- 10%	78 +/- 7%	3*1.8		M8B DR3*1.8A
M8B	101 +/- 10%	95 +/- 7%	4*2.2		M8B DR4*2.2
V3F	205 +/- 7%	46 +/- 5%	2.8*2.6		V3F TH2.6*2.8

TDK - CLAMP FILTER

Series	Impedance (ohm.)		Color	Dimensions (mm)	Parts Number
	Freq. 10 ~ 100MHz	Freq. 100 ~ 500MHz		(L*OD*ID=A*D*C)	
ZCAT	50 (min.)	100 (min.)	Black	25*12.8*5	ZCAT1325-0530A-BK
ZCAT	25 (min.)	50 (min.)	Gray	22*15*7	ZCAT1518-0730
ZCAT	40 (min.)	80 (min.)	Black	30*16.5*7	ZCAT1730-0730A-BK
ZCAT	50 (min.)	100 (min.)	Black	35*19.5*9	ZCAT2035-0930A-BK
ZCAT	50 (min.)	100 (min.)	Gray	35*19.5*9	ZCAT2035-0930A-GRAY

TDK - INDUCTOR

Series	Inductance	Tolerance	Compliance with ROHS	Dimensions (mm) (L*W*T)	Parts Number
NLCV	4.7uF	+/- 20%	YES	3.2*2.5*2.2	NLCV32T-4R7M-PF