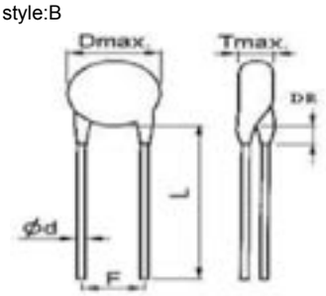
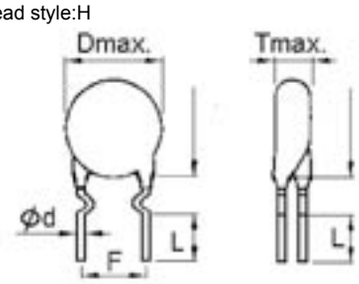
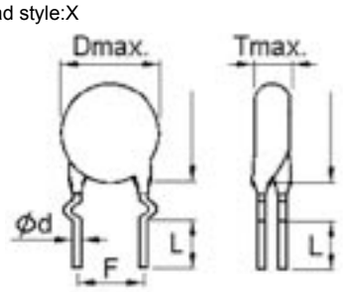
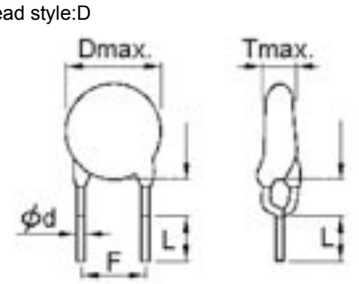
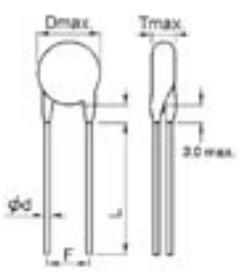
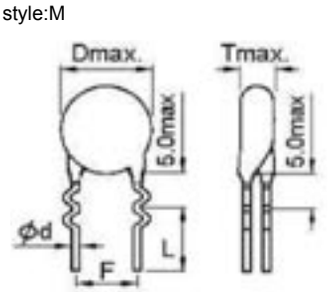
FEATURES :

- Reduced heat dissipation permitted due to small dielectric loss of the ceramic material.
- Operating temperature range is guaranteed up to 125 degree C.
- Coated with flame-retardant epoxy resin (equivalent to UL94V-0 standards).
- RoHS Compliance
- Halogen free products are available
- Ideal for use on high frequency pulse circuits such as a horizontal resonance circuit for CTV and snubber circuits for switching power supplies..

GENERAL SPECIFICATION:

Capacitance Range	100pF to 4700pF
Capacitance Tolerance	±10%,
Operating Temperature Range	-25°C ~ 125°C
Rated Voltage	1K,2K,3K VDC
Dissipation Factor (tan δ)	LB: tan δ ≤0.5% ; LR: tan δ ≤0.2%
Insulation Resistance (IR) @ 25°C	10000MΩ Minimum or 200MΩ μF whichever is smaller (500VDC,60sec)
Dielectric Strength	2 times the rated WVDC
Testing Parameters	1KHz ±20%, 1.0Vrms±0.2Vrms

Lead style :

Lead type	Lead Code	Lead Configuration	Lead type	Lead Code	Lead Configuration
Type 1 Straight long lead	B	Lead style:B 	Type 4 Inside kink lead	H	Lead style:H 
Type 2 Outside kink lead	X	Lead style:X 	Type 5 Vertical kink short lead	D	Lead style:D 
Type 3 Straight short lead	L	Lead style:L 	Type 6 Double outside kink lead	M	Lead style:M 

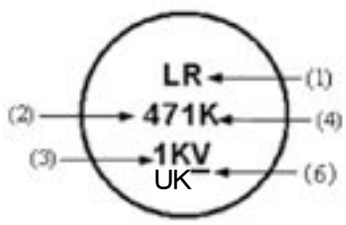
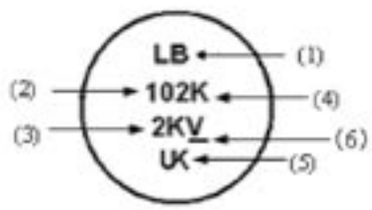
■ LB Series

Part Number	Rated Voltage	Cap. in pF	Cap. Tol. (%)	Dimensions in mm	
				D Max.	T Max.
LB 102101K050 □□□□	1000VDC	100	±10%	6.5	4.5
LB 102151K050 □□□□	1000VDC	150	±10%	6.5	4.5
LB 102181K050 □□□□	1000VDC	180	±10%	6.5	4.5
LB 102221K050 □□□□	1000VDC	220	±10%	6.5	4.5
LB 102271K050 □□□□	1000VDC	270	±10%	6.5	4.5
LB 102331K050 □□□□	1000VDC	330	±10%	6.5	4.5
LB 102391K050 □□□□	1000VDC	390	±10%	6.5	4.5
LB 102471K050 □□□□	1000VDC	470	±10%	6.5	4.5
LB 102561K050 □□□□	1000VDC	560	±10%	6.5	4.5
LB 102681K060 □□□□	1000VDC	680	±10%	7.5	4.5
LB 102821K060 □□□□	1000VDC	820	±10%	7.5	4.5
LB 102102K060 □□□□	1000VDC	1000	±10%	7.5	4.5
LB 102152K070 □□□□	1000VDC	1500	±10%	8.5	4.5
LB 102182K070 □□□□	1000VDC	1800	±10%	8.5	4.5
LB 102222K080 □□□□	1000VDC	2200	±10%	9.5	4.5
LB 102332K100 □□□□	1000VDC	3300	±10%	11.5	4.5
LB 102392K100 □□□□	1000VDC	3900	±10%	11.5	4.5
LB 102472K120 □□□□	1000VDC	4700	±10%	13.5	4.5
LB 202101K050 □□□□	2000VDC	100	±10%	6.5	5.0
LB 202151K050 □□□□	2000VDC	150	±10%	6.5	5.0
LB 202221K050 □□□□	2000VDC	220	±10%	6.5	5.0
LB 202271K050 □□□□	2000VDC	270	±10%	6.5	5.0
LB 202331K050 □□□□	2000VDC	330	±10%	6.5	5.0
LB 202391K050 □□□□	2000VDC	390	±10%	6.5	5.0
LB 202471K050 □□□□	2000VDC	470	±10%	7.5	5.0
LB 202561K060 □□□□	2000VDC	560	±10%	7.5	5.0
LB 202681K060 □□□□	2000VDC	680	±10%	8.5	5.0
LB 202821K070 □□□□	2000VDC	820	±10%	8.5	5.0
LB 202102K070 □□□□	2000VDC	1000	±10%	8.5	5.0
LB 202122K070 □□□□	2000VDC	1200	±10%	8.5	5.0
LB 202152K080 □□□□	2000VDC	1500	±10%	9.5	5.0
LB 202182K090 □□□□	2000VDC	1800	±10%	10.5	5.0
LB 202222K100 □□□□	2000VDC	2200	±10%	11.5	5.0
LB 202272K110 □□□□	2000VDC	2700	±10%	12.5	5.0
LB 202332K120 □□□□	2000VDC	3300	±10%	13.5	5.0
LB 202392K130 □□□□	2000VDC	3900	±10%	14.5	5.0
LB 202472K140 □□□□	2000VDC	4700	±10%	15.5	5.0
LB 302101K050 □□□□	3000VDC	100	±10%	6.5	6.0
LB 302151K050 □□□□	3000VDC	150	±10%	6.5	6.0
LB 302222K050 □□□□	3000VDC	220	±10%	6.5	6.0
LB 302331K050 □□□□	3000VDC	330	±10%	6.5	6.0
LB 302391K050 □□□□	3000VDC	390	±10%	6.5	6.0
LB 302471K060 □□□□	3000VDC	470	±10%	7.5	6.0
LB 302561K060 □□□□	3000VDC	560	±10%	7.5	6.0
LB 302681K070 □□□□	3000VDC	680	±10%	8.5	6.0
LB 302821K080 □□□□	3000VDC	820	±10%	9.5	6.0
LB 302102K080 □□□□	3000VDC	1000	±10%	9.5	6.0
LB 302152K100 □□□□	3000VDC	1500	±10%	11.5	6.0
LB 302222K120 □□□□	3000VDC	2200	±10%	13.5	6.0
LB 302272K130 □□□□	3000VDC	2700	±10%	14.5	6.0
LB 302332K140 □□□□	3000VDC	3300	±10%	15.5	6.0
LB 302392K150 □□□□	3000VDC	3900	±10%	16.5	6.0
LB 302472K160 □□□□	3000VDC	4700	±10%	17.5	6.0

■ LR series:

Part Number	Rated Voltage	Cap. in pF	Cap. Tol. (%)	Dimensions in mm	
				D Max.	T Max.
LR 102101K050 □□□□	1000VDC	100	±10%	6.5	4.5
LR 102151K050 □□□□	1000VDC	150	±10%	6.5	4.5
LR 102221K050 □□□□	1000VDC	220	±10%	6.5	4.5
LR 102271K050 □□□□	1000VDC	270	±10%	6.5	4.5
LR 102331K050 □□□□	1000VDC	330	±10%	6.5	4.5
LR 102391K050 □□□□	1000VDC	390	±10%	6.5	4.5
LR 102471K050 □□□□	1000VDC	470	±10%	6.5	4.5
LR 102681K060 □□□□	1000VDC	680	±10%	7.5	4.5
LR 102102K070 □□□□	1000VDC	1000	±10%	8.5	4.5
LR 102152K090 □□□□	1000VDC	1500	±10%	10.5	4.5
LR 102222K100 □□□□	1000VDC	2200	±10%	11.5	4.5
LR 102332K130 □□□□	1000VDC	3300	±10%	14.5	4.5
LR 202101K050 □□□□	2000VDC	100	±10%	6.5	5.0
LR 202151K050 □□□□	2000VDC	150	±10%	6.5	5.0
LR 202221K050 □□□□	2000VDC	220	±10%	6.5	5.0
LR 202271K050 □□□□	2000VDC	270	±10%	6.5	5.0
LR 202331K060 □□□□	2000VDC	330	±10%	7.5	5.0
LR 202391K060 □□□□	2000VDC	390	±10%	7.5	5.0
LR 202471K060 □□□□	2000VDC	470	±10%	7.5	5.0
LR 202561K070 □□□□	2000VDC	560	±10%	8.5	5.0
LR 202681K070 □□□□	2000VDC	680	±10%	8.5	5.0
LR 202821K080 □□□□	2000VDC	820	±10%	9.5	5.0
LR 202102K090 □□□□	2000VDC	1000	±10%	10.5	5.0
LR 202122K100 □□□□	2000VDC	1200	±10%	11.5	5.0
LR 202152K110 □□□□	2000VDC	1500	±10%	12.5	5.0
LR 202182K120 □□□□	2000VDC	1800	±10%	13.5	5.0
LR 202222K130 □□□□	2000VDC	2200	±10%	14.5	5.0
LR 202332K160 □□□□	2000VDC	3300	±10%	17.5	5.0
LR 302101K050 □□□□	3000VDC	100	±10%	6.5	6.0
LR 302151K050 □□□□	3000VDC	150	±10%	6.5	6.0
LR 302221K050 □□□□	3000VDC	220	±10%	6.5	6.0
LR 302331K060 □□□□	3000VDC	330	±10%	7.5	6.0
LR 302391K070 □□□□	3000VDC	390	±10%	8.5	6.0
LR 302471K080 □□□□	3000VDC	470	±10%	9.5	6.0
LR 302561K080 □□□□	3000VDC	560	±10%	9.5	6.0
LR 302681K090 □□□□	3000VDC	680	±10%	10.5	6.0
LR 302821K100 □□□□	3000VDC	820	±10%	11.5	6.0
LR 302102K100 □□□□	3000VDC	1000	±10%	11.5	6.0
LR 302152K130 □□□□	3000VDC	1500	±10%	14.5	6.0
LR 302222K150 □□□□	3000VDC	2200	±10%	16.5	6.0

[Table 1] Allowable conditions at high frequency

Item \ Temp. Char.	LR	LB
Marking		
(1) Temp. Char. And D.F.	Cap.change:-30%~+15%(-25°Cto+125°C) D.F:0.2% Max	Cap. change: ±10%(-25°C~85°C) D.F:0.5% Max
(2) Nominal Capacitance	Identified By 3-Figure Code. Ex. 100pf "101"°A1000 Pf "102"	
(3) Rated Voltage	1000V	Marked with code "1KV" In case of DC 1000V
	2000V	Marked with code "2KV" In case of DC 2000V
	3000V	Marked with code "3KV" In case of DC 3000V
(4) Capacitance Tolerance	K=±10%	
(5) Manufacturer's Identification	Shall Be Marked As " UK " , But DΦ=6.0 Mm And Less In Dia Shall Be Omitted.	
(6) Halogen and Pb free	When the epoxy resin is Halogen and Pb free,there is a "_"marking.	

Mouser Electronics

Authorized Distributor

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Walsin:

LR102471K050H20C5H LR102102K070DAND5B LR102221K050DAND5B LR102222K100B20C7H LR102331K050DAND5B LR102471K050DAND5B LR102471K050H20C5B LR102681K060DAND5B LR202102K090DAFD7B LR202152K110D04A7B LR202221K050DAFD7B LR202222K130D04A7B LR202331K060DAFD7B LR202331K060DAND5B LR202471K060DAFD7B