



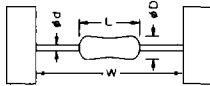
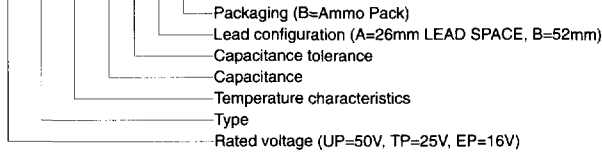
LEADED CAPACITORS

AXIAL LEAD TUBULAR CERAMIC CAPACITORS

This widely used ceramic capacitor series is available in both monolithic and multilayer types to provide a wide capacitance range of 1pF to 1μF in one standard size and shape.

Part Numbering System

[Example] UP 050 CH 200 J - B - B



Type	Dimensions In./.(mm)		
	L	øD	ød
050 (Monolithic Type)	0.138max (3.5 max)	0.075max (1.9 max)	0.45±0.05 (0.018±.002)
050 (Multilayer Type)	0.126max (3.2 max)	0.087max (2.2 max)	0.45±0.05 (0.018±.002)



050 Type

Rated Voltage (DC)	Code	Temperature Characteristics	Capacitance (pF)
50V	(SL)	+350 to -1000 ppm/°C	1.0-68, *1500, 2200
	(CH)	NPO±60 ppm/°C	1.0-20, *680-2200
	(RH)	-220±60 ppm/°C	1.0-18
	(UJ)	-750±120 ppm/°C	2.2-30
	(B)Y5P	-30°~+85°C±10%	75-1000
	(B)Y5P	-30°~+85°C±10%	*10,000, 33000
	(F)Y5V	-30°~+85°C+22%/ -82%	*47000 *100000
25V	(X)Y5R	-30°~+85°C±15%	—
	(Y)Y5S	-30°~+85°C±22%	—
	(B)Y5P	-30°~+85°C±10%	*100000
16V	(F)Y5V	-30°~+85°C+22%/ -82%	10000, 22000
	(F)Y5V	-30°~+85°C+22%/ -82%	*100000
	(X)Y5R	-30°~+85°C±15%	1200-6800
	(Y)Y5S	-30°~+85°C±22%	8200-10000

*Multilayer Type

CERAMIC DISC CAPACITORS

Available in five different types (RB, RP, RQ, UA, UZ) with a wide range of capacitance values, voltages and dielectrics.

Class 1 (Temperature Compensating): Rated Voltage - DC50V

Part Number	Temperature Coefficient (ppm/°C) vs Capacitance (pF)						Dimensions In./.(mm)	
	NPO	150	220	330	-750±120	+350 to -1000	Figure - F	øD (max)
RBU04	1-20	1.5-10	1.5-20	2-15	3-43	0.5-82	(A) .098±.039 (2.5±1.0)	.157 (4.0)
RBU05	22-89	11-22	22-47	16-30	47-75	91-130	(B) .197±.031 (5.0±0.8)	.197 (5.0)
RBU06	43-68	24-51	51-82	33-68	82-130	150-200	(A) .197±.039 (5.0±1.0)	.248 (6.3)
RBU07	75-91	—	91-120	—	150-160	200-270	(B) .197±.031 (5.0±0.8)	.276 (7.0)
RBU08	100-120	56-100	130,150	75-120	180-220	300-360	(A) .197±.039 (5.0±1.0)	.315 (8.0)
RBU10	130-180	110-180	160-220	130-180	240-360	390-620	(B) .197±.031 (5.0±0.8)	.374 (9.5)

Class 2 (High Dielectric): Rated Voltage - DC500V

Part Number	Temp. Char. vs Capacitance (pF)		Dimensions In./.(mm)	
	Y5P	Y5U	Figure - F	øD (max)
RQC05	100-390	—	(A) .197±.039 (5.0±1.0)	.197 (5.0)
RQC06	470-820	1000		.236 (6.0)
RQC07	1000, 1200	—	(B) .197±.031 (5.0±0.8)	.276 (7.0)
RQC08	1500	—	(A) .197±.039 (5.0±1.0)	.315 (8.0)
RQC09	1800	2200	(B) .197±.031 (5.0±0.8)	.354 (9.0)
RQC10	2200, 2700	—	(A) .197±.039 (5.0±1.0)	.394 (10)

Class 2 (High Dielectric): Rated Voltage - DC50V

Part Number	Temp. Char. vs Capacitance (pF)		Dimensions In./.(mm)	
	Y5P	Y5V	Figure - F	øD (max)
RPU04	100-470	1000	(A) .098±.039 (2.5±1.0)	.157 (4.0)
RPU05	560-1200	2200, 4700	(B) .197±.031 (5.0±0.8)	.197 (5.0)
RPU06	1500, 1800, 2200	—	(A) .197±.039 (5.0±1.0)	.248 (6.3)
RPU07	2700-3300	10000	(B) .197±.031 (5.0±0.8)	.276 (7.0)
RPU08	3900	—	(A) .197±.039 (5.0±1.0)	.315 (8.0)
RPU10	4700, 5600, 6800	22000	(B) .197±.031 (5.0±0.8)	.374 (9.5)

Class 2 (High Dielectric=SA): Rated Voltage - DC50V

Part Number	Capacitance (pF)	Capacitance Tolerance	Dimensions In./.(mm)	
			Figure - F	øD (max)
RBU04	100, 120	±5%	(A) .098±.039 (2.5±1.0)	.157 (4.0)
RBU05	150-270		(B) .197±.031 (5.0±0.8)	.197 (5.0)
RBU06	330-560	±10%	(A) .197±.039 (5.0±1.0)	.248 (6.3)
RBU08	680-1000		(B) .197±.031 (5.0±0.8)	.315 (8.0)
RBU10	1200, 1500		(A) .197±.039 (5.0±1.0)	.394 (10)

