CERAMIC DISC CAPACITORS
TYPE: CLASS III (16V~100V DC)
SEMI CONDUCTOR(A.C.)

FEATURE:

- Stable temperature characteristics.
- Ultra large capacitance in small sizes.
- High volumetric efficiency.
- Economically priced.
- All capacitors are accord with RoHS standards.

SPECIFICATIONS:

Temperature Characteristics	Y5R	Y5U	Y5V
Operating Temperature Range	-25°C ~ + 85 °C		
Capacitance Range	0.01μF~0.22μF @1± 0.1 KHz, 0.1Vrms 25°C		
Dissipation Factor	2.5% Max.	2.5% Max.	5.0% Max.
Test Voltage(50mA Max.)	2.5Time of Rated Voltage for 1~5sec		
Insulation Resistances	W.V¡Ø16VDC = = >100M£[Min. measured@W.V.DC W.V¡Ù25VDC = = >1,000M£[Min. measured@W.V.DC		
Capacitance Change Over Temperature Range	± 15% (-25°C ~ + 85°C)	± 22%, -56% (-25°C ~ + 85°C)	± 22%, -82% (-25°C ~ + 85°C)

Standard Products and Maximum Diameter(mm)

Cap. (μF)	Y5R			Y5U			Y5V		
	16V	25V	50/100V	16V	25V	50/100V	16V	25V	50/100V
0.01	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
0.022	6.5	6.5	7.5	5.5	5.5	6.5	5.5	5.5	5.5
0.033	7.5	7.5	8.5	6.5	6.5	7.5	5.5	5.5	5.5
0.047	8.5	8.5	9.5	6.5	6.5	7.5	5.5	5.5	5.5
0.068	9.5	9.5	10.5	7.5	7.5	8.5	5.5	5.5	6.5
0.1	10.5	11.5		7.5	7.5	8.5	6.5	6.5	7.5
0.22							9.5	9.5	10.5
Thickness	4.0mm Max.			4.0mm Max.			4.0mm Max.		

CERAMIC DISC CAPACITORS

HOW TO ORDER(16V~1KV)

PART NUMBER CODE

T	CH	1H	101	J	06	A	5	1	6	E	N
1	2	3	4	5	6	7	8	9	10	11	12

1. TYPE

T: Temperature Compensation (Class 1)
H: High Dielectric Constant (Class 2)
S: Semi Conductive (Class 3)

2.Temperature Characteristics

*** Temperature Compensating type**

Code	CH(NPO)	UJ	SL
Temp. coeff. (ppm/°C)	0± 60	-750± 120	+350~ -1000

*** High dielectric constant type**

Code	B(Y5P)	R(X7P)	E(Z5U)	F(Z5V)
Cap. Change (%)	±10	±15	+22 -56	+22 -82

*** Semi conductive type**

Code	B(Y5P)	E(Y5U)	F(Y5V)
Change (%)	±15	+22 -56	+22 -82

3. Rated Voltage

Code	1C	1E	1H	2A	2E	2H	3A
Rated Voltage	16 VDC	25 VDC	50 VDC	100 VDC	250 VDC	500 VDC	1K VDC

4. Capacitance

Code	Capacitance(pF)
010	1
1R5	1.5
100	10
101	100
102	1000
473	47000
104	100000
224	220000

5. Capacitance Tolerance

Code	Cap. Tol.
C	±0.25 pF
D	±0.5 pF
J	±5%
K	±10%
M	±20%
S	+50%~-20%
Z	+80%~-20%
P	+100%~-0%

6. Body Diameter (mm)

Code	05	06	07	08	09	10	11	12	14	16	18	20
D max.	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	14.5	16.5	18.5	20.5

7. Lead Shape Code

Code	Packing Method	Lead Configuration
A	Taping Box	KINK
B		STRAIGHT
H	Taping Reel	KINK
R		STARAIGHT
S	Bulk	SHORT STRAIGHT
L		LONG STRAIGHT
K		INSIDE KINK
D		OUTSIDE KINK
Y		VERTICAL CRIMP

8. Lead Spacing Code (F)

Code	Dimension(mm)
2	12.5±1.0
5	5.0±1.0
6	6.35±1.0
7	7.50±1.0
0	10.0±1.0
1	12.5±1.0

10. Lead Diameter Code (d)

Code	Diameter(mm)
5	0.5 ± 0.05
6	0.6+0.06/-0.05

9. Lead Length Code(L)

Code	Dimension(mm)
1	15 min
2	23 min
3	3.5± 1.0
5	5.0± 1.0
0	10.0±1.0

11. Code: E Epoxy Coating; Nil Durez Coating

12. Code: N RoHS Type

7. Lead Shape Code

8. Lead Spacing Code (F)

Code	Packing Method	Lead Configuration
A	Taping Box	KINK
B		STRAIGHT
H	Taping Reel	KINK
R		STARAIGHT
S	Bulk	SHORT STRAIGHT
L		LONG STRAIGHT
K		INSIDE KINK
D		OUTSIDE KINK
Y		VERTICAL CRIMP

Code	Dimension(mm)
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6	6.35±1.0
7	7.50±1.0
0	10.0±1.0
1	12.5±1.0

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5	0.5 ± 0.05
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9. Lead Length Code(L)

Code	Dimension(mm)
1	15 min
2	23 min
3	3.5± 1.0
5	5.0± 1.0
0	10.0±1.0

11. Code: E Epoxy Coating
Nil Durez Coating

12. Code: N RoHS Type