

- 896.330 to 755 -

multicomp

C E R A M I C D I S C C A P A C I T O R

Technical Data

CLASS I TEMPERATURE COMPENSATION

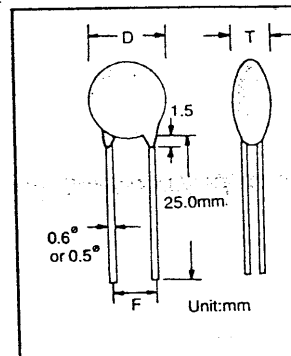
EIA RS 198 . CLASS
JIS C 6423 . TYPE I

FEATURES:

- Linear temperature coefficient of capacitance.
- High stability of capacitance.
- Low loss at wide range of frequency.

SPECIFICATIONS:

- Operating temperature range: -25 °C to 85 °C
- Rated working voltage: 50 VDC, 500 VDC
- Test voltage: 3 times of the rated voltage
- Capacitance: Within the tolerance at 1 MHz; 1 ± 0.2 Vrms. 25 °C
- Q factor: At 1 MHz. 1 ± 0.2 Vrms. 25 °C
- $C \geq 30$ pF $Q \geq 1,000$
- $C < 30$ pF $Q \geq 400 + 20C$
(C : Rated capacitance)
- Insulation resistance: 10,000 M Ω min.



TEMP. CHAR. / CAP. VALUE / RATED VOLTAGE

TYPE	RATED VOLT. (VDC)	TEMP. CHAR.	CAPACITANCE		DIMENSIONS(mm)		
			RANGE(pF)	TOL.	D Ø max	T max	F
CHU5	U 50	CH 0±60 PPM/°C (NPO)	0.5 ~ 47	C. D. (UNDER 10pF) J. K. (OVER 10pF)	5.5	3.5	5.0
CHU6			50 ~ 75		6.5		
CHU7			82 ~ 100		7.5		
CHU8			120 ~ 150		8.5		
CHU0			180 ~ 270		10.5		
CHUB			300 ~ 390		12.5		5.0, 10.0
SLU5	U 50	SL +350- -1000PPM/°C	10 ~ 120	J. K.	5.5	3.5	5.0
SLU6			150 ~ 240		6.5		
SLU7			270 ~ 330		7.5		
SLU8			360 ~ 470		8.5		
SLU0			500 ~ 820		10.5		
CHC5	C 500	CH 0±60 PPM/°C (NPO)	0.5 ~ 36	C. D. (UNDER 10pF) J. K. (OVER 10pF)	5.5	4	5.0
CHC6			39 ~ 56		6.5		
CHC8			68 ~ 100		8.5		
CHC0			120 ~ 150		10.5		
SLC5	C 500	SL +350- -1000PPM/°C	10 ~ 82	J. K.	5.5	4	5.0
SLC6			100 ~ 150		6.5		
SLC8			180 ~ 220		8.5		
SLC0			240 ~ 390		10.5		

Multicomp Products available from

• When ordering class I type disc capacitor, Please use the type / part numbers as noted above. (Ex : CH 5 470 J6)

CERAMIC DISCAPACITORS

CLASS II HIGH DIELECTRIC CONSTANT

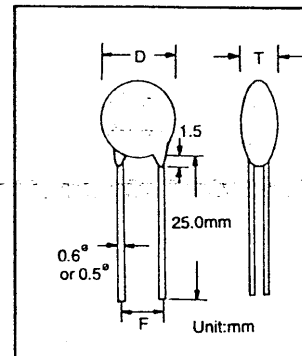
EIA PS 198. CLASS II
JIS C6422. TYPE II

FEATURES

- Large capacitance in small sizes.
- Non linear temperature coefficient of capacitance.

SPECIFICATIONS

- Operating temperature range: +10°C to 85°C (Z5U, Z5V)
-25°C to 85°C (Y5P)
- Rated working voltage: 50 VDC, 500 VDC
- Capacitance: Within the tolerance at 1 KHz, 1±0.2 Vrms, 25°C
- Test voltage: 2.5 times of the rated voltage.
- Dissipation factor (tan δ):
Y5P, Z5U : tan δ ≤ 2.5 %
Z5V : tan δ ≤ 5 %
- Insulation resistance: 10,000 MΩ or 200 MΩ uF, whichever is the smaller.



TEMP. CHAR. / CAP. VALUE / RATED VOLTAGE

TYPE	RATED VOLT (VDC)	TEMP. CHAR.	CAPACITANCE		DIMENSIONS(MM)		
			RANGE(pF)	TOL.	D Ø max	T max	F
BU5	U 50	B ±10% (Y5P)	100 ~ 2000	K. M.	5.5	3.5	5.0
BU6			2200 . 2700		6.5		
BU7			3000 . 3300		7.5		
BU8			3900 . 4700		8.5		
BU0			5600 . 6800 10000		10.5		
EU5	U 50	E +22~-56% (Z5U)	2200 . 3300 4700 . 5000	M. Z.	5.5	3.5	5.0
EU6			5600 . 6800 8200		6.5		
EU7			10000		7.5		
EU8			12000 . 15000		8.5		
EU0			18000 . 20000 22000		10.5		
FU5	U 50	F +22~-82% (Z5V)	4700 . 5000	Z. P.	5.5	3.5	5.0
FU6			10000 . 15000		6.5		
FU7			18000 . 20000		7.5		
FU8			22000 . 30000		8.5		
FU0			33000 . 40000 47000		10.5		

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