

CT81 Series

The capacitor are widely used in all sorts of electronic instrument and high voltage by passing or coupling circuit



■ Specification And Test Method

Item	Specification	Test method and Test condition
Operating Temperature	-25℃ ~ +85℃ , -40℃ ~ +85℃ , -10℃ ~ +85℃	
Capacitance and role range	Satisfies within specified tolerance	The capacitance shall be measured at 25±2℃, with 1±0.1KHz and Test voltage 1~3Vrms max
Working voltage	DC1KV , DC2KV , DC3KV	
Testing voltage	$U_R < 6KV \quad U_t = 1.5U_R + 500V$ $U_R \geq 6KV \quad U_t = 1.5XU_R$	The capacitors shall not be damage when DC working voltage of the rated voltage are applied between the lead wires for 5 sec
Dissipation factor(tgδ)	Y5P(BN): $tg \delta \leq 50 \times 10^{-4}$ Y5P: $tg \delta \leq 35 \times 10^{-4}$ Y5P: $tg \delta \leq 200 \times 10^{-4}$ (Other): $tg \delta \leq 350 \times 10^{-4}$	Same condition as the capacitance
Insulation Resistance(I.R.)	I I.R. $\geq 10000M\Omega$ II I.R. $\geq 4000M\Omega$	The insulation resistance shall be measured with the DC 500V voltage with in 60±5 sec of charging

■ Capacitance Range And Diameter

Working Voltage (VDC)	T.C / Capacitance(pF)					Dimensi ons(mm)
	General Model			Low DF Model		
	Y5P	Y5U	Y5V	Y5P	Y5R	
1 KV			100-1500			6
	100-1000	470-2200	3300-4700	100-1000	100-560	8
	1200-2200	2700-3300	6800-10000	1200-2200	680-1000	10
	2200-3300	3900-4700		2700-3300	1200-1500	12
	3900-4700	5600-6800		3900-4700	1800	14
	5600-6800	8200-10000		5600-6800		16
						18
2 KV	100-680	330-1000	1500-2200	100-330	100-330	8
	820-1500	1500-2200	3300-4700	390-680	470-560	10
	2200-2700	2700-3300	5600-8200	820-1000	680-1000	12
	3300-3900	3900-4700	10000	1200-1800	1200-1500	14
	4700.0	5600-8200		2200-3300	1800	16
				3900-4700		18
3 KV	100-470	470-1000	2200-3300	100-560	330-470	8
	560-820	1200-2200	4700-5600	680-1000	100-270	10
	1000-1500	2700-3300	8200	1220-2200	560-680	12
	1800-2200	3900-4700	10000		820-1000	16
	2700-3300				1500	