METALLIZED POLYCARBONATE FILM CAPACITOR

TS02C

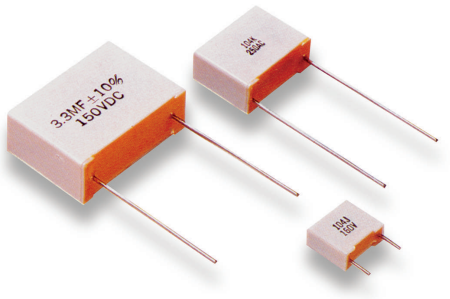
FEATURES

- Wound with Metallized Polycarbonate Film
- Flame Retardant Plastic Sealed Case
- Less Dissipation Factor Small Temperature Coefficient of Capacitance
- Used in Iogical Control Circuits, Integrator Circuits and Phase Shife Circuits of Precise Instruments

SPECIFICATIONS

Operating Temperature Range(˚C)	-55~+85˚C
Capacitance Tolerance	±1%(F) ; ±2(G) ; ± 5%(J) ; 10%(K) ; ±20%(M)
Testing Voltage	1.5 times of rated voltage

Item \ Parameter	Capacitance Change	Insulation Resitance	Tangent of Loss Angle
Under normal climatic Condition	--	C_R>0.33μF: U_R>100V,2500S U_R≤100V,1250S C_R>0.33μF: U_R>100V,7500 U_R≤100V,3750	C_R≤1μF ; 0.005 C_R>1μF ; 0.008
+40˚C ; 90-95%RH ; 500h Damp heat steady state	± 5	50% of values undernormal climaticcondition	0.005 Increase of tgδ compared to values of initial measurement
Endurance +85˚C ; 1.25U ; 1000h	± 5	50% of values undernormal climaticcondition	C_R≤1μF ; 0.005 C_R>1μF ; 0.003
Temperature Characteristic of Capacitance	-55˚C - 3≤ΔC/C ≤0 +85˚C - ΔC/C ≤±1.5		



(V_)	40					63				
(mm) / (μF)	Max Size(mm)			P	d	Max Size(mm)			P	d
	L	H	T			L	H	T		
0.022	-	-	-	-	-	11.5	9.5	4.5	7.5	0.6
0.033										
0.047							11	6		
0.068										
0.1	11.5	9.5	4.5	7.5	0.6	14.5	9.5	5	10	
0.15		10	6				11	6		
0.22										
0.33	14.5	9.5	5	10		19.5	12	7.5	15	0.8
0.47		10.5	6				14	8		
0.68	-	-	-	-	-		17	9		
1.0								10		
1.5							19			
2.2								12.5		
3.3						33.5	23	13	27.5	1
4.7							27			
6.8										
10										

(V_)	160					250				
(mm) / (μF)	Max Size(mm)			P	d	Max Size(mm)			P	d
	L	H	T			L	H	T		
0.022	-	-	-	-	-	11.5	9.5	4.5	7.5	0.6
0.033										
0.047	11.5	9.5	4.5	7.5	0.6					
0.068							11	6		
0.1		11	6			14.5	9.5	5	10	
0.15							11	6		
0.22	14.5	9.5	5	10		19.5	12	7.5	15	0.8
0.33		11	6				14	8		
0.47							17	9		
0.68	19.5	12	7.5	15	0.8		19	10		
0.1		14	8							
0.15		17	9			33.5	17		27.5	1
0.22		19	10				23	13		
0.33	33.5	14	8	27.5	1		27			
0.47		17	10							
0.68		19	12.5							
1.0		27	13			-	-	-	-	-

(V_)	400				
(mm) / (μF)	Max Size(mm)			P	d
	L	H	T		
0.001	11.5	9.5	4.5	7.5	0.6
0.0015					
0.0022		11	6		
0.0033					
0.0047	14.5	9.5	5	10	
0.0068		11	6		
0.01					
0.015	19.5			15	0.8
0.022		12	7.5		
0.033		14	8		
0.047		17	9		
0.068					
0.1	33.5	14	8	27.5	1
0.15					
0.22		19	12.5		
0.33		27	13		