

# CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS



**New**  
**YT**

Chip type, Ultra High Temperature Series



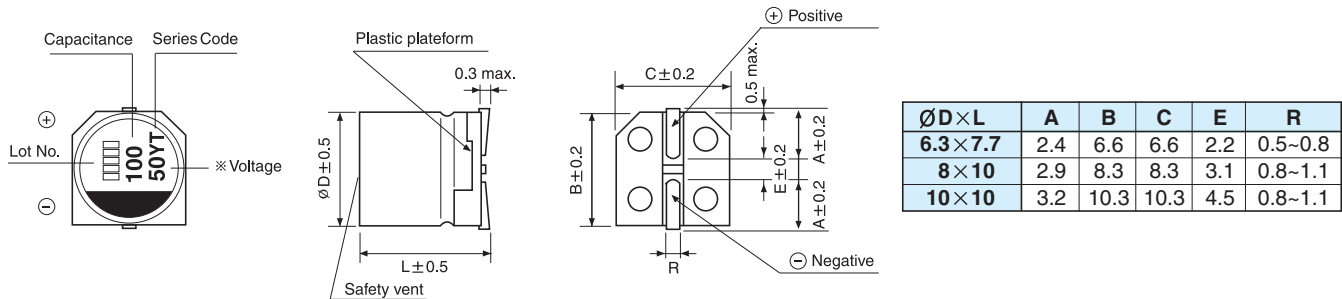
- High temperature range, for 150°C use
- Complied to the RoHS directive

HYBRID TYPES

Item	Characteristics				
Operating temperature range	-55 ~ +150°C				
Leakage current max.	I = 0.05CV				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	WV	25	35	50	63
	tanδ	0.16	0.16	0.16	0.16
Low temperature characteristics (Impedance ratio at 100kHz)	Z (-25°C) / Z (+20°C) ≤ 1.5 Z (-55°C) / Z (+20°C) ≤ 2.0				
Load life	After an application of DC bias voltage plus the rated AC ripple current for 1000 hours at 150°C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage.				
	Capacitance change	Within ±30% of initial value			
	tanδ	Less than 200% of the specified value			
	ESR	Less than 200% of the specified value			
	Leakage current	Less than specified value			
Shelf life (at 125°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4				
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 250°C for 10 seconds.				
	Leakage current	Less than specified value			
	Capacitance change	Within ±10% of initial value			
	tanδ	Less than specified value			

## DRAWING

Unit : mm



## DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF	WV	25		35			50			63		
		15									6.3×7.7	80
22							6.3×7.7	80	410			
33										8×10	40	610
47				6.3×7.7	60	510						
56							8×10	35	660	10×10	30	710
68	6.3×7.7	45	540									
100				8×10	30	710	10×10	28	780			
150	8×10	27	740	10×10	23	830						
270	10×10	22	850									

↑ Ripple current (mA rms) at 150°C, 100kHz  
 ↑ ESR (Ω) at 20°C, 100kHz  
 ↑ Case size ØD×L(mm)

## FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	120Hz	1kHz	10kHz	100kHz
Coefficient	0.05	0.30	0.70	1.00

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Aluminium Organic Polymer Capacitors](#) category:*

*Click to view products by [Samwha](#) manufacturer:*

Other Similar products are found below :

[750-1809](#) [SEAU0A0102G](#) [MPP104K6130714LC](#) [MPP223J5130508LC](#) [MPP104K6130612LC](#) [PPS333KD241017LC](#) [MPP472K4130408LC](#)  
[PCZ1V221MCL1GS](#) [HHXD500ARA470MHA0G](#) [NPXB1001B271MF](#) [NPXB1101B391MF](#) [NPXC0571B221MF](#) [NPXC0701B331MF](#)  
[NPXB0901B391MF](#) [NPXD0701A471MF](#) [HHXD630ARA330MJA0G](#) [HHXD350ARA270MF61G](#) [HHXD350ARA220ME61G](#)  
[HHXD350ARA101MHA0G](#) [HHXD500ARA101MJA0G](#) [HHXD350ARA680MF80G](#) [APXJ200ARA151MF61G](#) [RS81C271MDN1CG](#)  
[APSF6R3ELL821MF08S](#) [PM101M016E058PTR](#) [PM101M025E077PTR](#) [SPZ1EM221E10P25RAXXX](#) [APSE2R5ETD821MF08S](#)  
[SPZ1EM681F14O00RAXXX](#) [SPZ1AM102F11000RAXXX](#) [SPV1VM471G13O00RAXXX](#) [SPZ1VM821G18O00RAXXX](#)  
[SPV1HM331G15O00RAXXX](#) [SVZ1EM221E09E00RAXXX](#) [PM101M035E077PTR](#) [HV1A227M0605PZ](#) [HV1C107M0605PZ](#)  
[HV1C227M0607PZ](#) [HV1H107M0810PZ](#) [HV1E107M0607PZ](#) [HV1V106M0605PZ](#) [HV1V476M0605PZ](#) [HV1H227M1010PZ](#)  
[HV0J337M0607PZ](#) [HV1A477M0607PZ](#) [HV1E566M0605PZ](#) [HV1V227M0810PZ](#) [HV0J108M0810PZ](#) [M2101M035C070RT](#)  
[SVZ1EM471FBRE00RAXXX](#)