

AS

Wide Temperature Range, Miniature Type Permissible
Abnormal Voltage
series



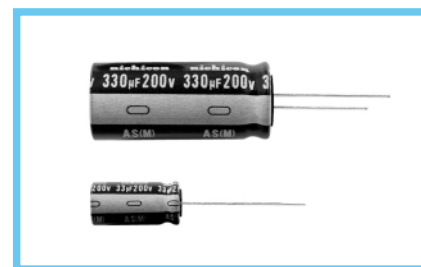
Smaller

AQ



AS

- Improved safety feature for abnormally excessive voltage.
- High ripple current product.
- Adapted to the RoHS directive (2002/95/EC).



Specifications

Item	Performance Characteristics				
Category Temperature Range	-40 ~ +105°C				
Rated Voltage Range	200V				
Rated Capacitance Range	33 ~ 330μF				
Capacitance Tolerance	± 20% at 120Hz, 20°C				
Leakage Current	After 1 minute's application of rated voltage, leakage current is 0.04CV+100 (μA) or less.				
tan δ	Rated voltage (V)	200	Measurement frequency:120Hz, Temperature:20°C		
	tan δ (MAX.)	0.15			
Stability at Low Temperature	Rated voltage (V)		200	Measurement frequency : 120Hz	
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C			3
		Z-40°C / Z+20°C			6
Endurance	After an application of D.C. bias voltage plus the rated ripple current for 2000 hours at 105°C the peak voltage shall not exceed the rated D.C. voltage, capacitors meet the characteristic requirements listed at right.			Capacitance change	Within ±20% of initial value
				tan δ	200% or less of initial specified value
				Leakage current	Initial specified value or less
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed above.				
Safety Performance	The pressure relief vent will operate in normal conditions, with no dangerous conditons such as flames, ignitions or dispersion of pieces of the capacitor and / or case.				
	voltage (V)	Test conditions			
		Limited DC current	Test Voltage		
	200	4A (5A : 330μF)	300VDC and 375VDC		
Marking	Printed with white color letter on dark brown sleeve.				