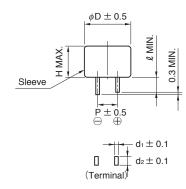
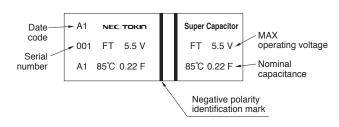
6.4 FT Series

Dimensions



Markings on sleeve



Specifications

	mAX operating voltage (Vdc)	Nominal capacitance		MAX ESR	MAX current	Dimension (unit:mm)						Weight
Part Number		Charge system (F)	Discharge system (F)	(at 1 kHz) (Ω)	at 30 min. (mA)	φD	Н	Р	d ₁	d ₂	l	(g)
FT0H104ZF	5.5	0.10	0.14	16	0.15	11.5	8.5	5.08	0.4	1.2	2.7	1.6
FT0H224ZF	5.5	0.22	0.28	10	0.33	14.5	12.0	5.08	0.4	1.2	2.2	4.1
FT0H474ZF	5.5	0.47	0.60	6.5	0.71	16.5	13.0	5.08	0.4	1.2	2.7	5.3
FT0H105ZF	5.5	1.0	1.3	3.5	1.5	21.5	13.0	7.62	0.6	1.2	3.0	10.0
FT0H225ZF	5.5	2.2	2.8	1.8	3.3	28.5	14.0	10.16	0.6	1.4	6.1	18.0
FT0H335ZF	5.5	3.3	4.2	1.0	5.0	36.5	15.0	15.00	0.6	1.7	6.1	38.0
FT0H565ZF	5.5	5.6	7.2	0.6	8.4	44.5	17.0	20.00	1.0	1.4	6.1	72.0



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[●]Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.



Specifications

Item	Series name		FT type	Test conditions (conforming to JIS C 5160-1)			
Category temperature rai	nge	-40°C to -	+85℃				
MAX operating voltage		5.5Vdc					
Capacitance		0.1F to 5.6F		Refer to "Measurement Conditions"			
Capacitance allowance		+80%, -2	20 %	Refer to "Measurement Conditions"			
ESR			undard ratings	Measured at 1kHz, 10mA; See also "Measurement Conditions"			
Current (30-minutes valu	e)	Refer to sta	indard ratings	Refer to "Measurement Conditions"			
	Capacitance	More than 9	90% of initial ratings	Surge voltage : 6.3V			
	ESR		ed 120% of initial ratings	Charge: 30 sec.			
Surge	Current (30 minutes value) Appearance		ed 120% of initial ratings abnormality	Discharge : 9min 30sec. Number of cycles : 1000 Series resistance : 0.10F 150 Ω : 0.22F 56 Ω : 0.47F 30 Ω : 1.0F 15 Ω : 2.2F 10 Ω : 3.3F 10 Ω : 5.6F 10 Ω			
				Discharge resistance : 0 Ω Temperature : 85±2°C			
	Capacitance		50% or higher than initial value				
	ESR	Phase 2	400% or less than initial value] _ ,			
	Capacitance	Phase 3	30% or higher than initial value	Conforms to 4.17 Phase1: +25±2°C			
	ESR		700% or less than initial value	Phase1: +25±2 C Phase2: -25±2°C			
Characteristics in	Capacitance	<u> </u>	200% or less than initial value	Phase3: -40±2°C			
different temperature	ESR	Phase 5	Satisfy initial ratings	Phase4: +25±2℃ Phase5: +70±2℃			
	Current (30 minutes value) Capacitance		1.5CV (mA) or below Within ±20% of initial value				
	ESR	Phase 6	Satisfy initial ratings	Phase6: +25±2°C			
	Current (30 minutes value)	1	Satisfy initial ratings	1			
Lead strength (tensile)		No terminal		Conforms to 4.9			
	Capacitance						
Vibration resistance	ESR	Satisfy initia	al ratings	Conforms to 4.13 Frequency: 10 to 55 Hz Testing time: 6 hours			
	Current (30 minutes value)						
	Appearance	No obvious	abnormality				
Solderability		Over 3/4 of the new sol	the terminal should be covered by der	Conforms to 4.11 Solder temp: 245±5°C Dipping time: 5±0.5 sec. 1.6mm from the bottom should be dipped.			
Solder heat resistance Capacitance ESR Current (30 minutes value)		Satisfy initia		Conforms to 4.10 Solder temp: 260±10°C Dipping time: 10±1 sec. 1.6mm from the bottom should be dipped.			
	Appearance	INO ODVIOUS	abnormality				
Temperature cycle	Capacitance ESR	Satisfy initia	al ratings	Conforms to 4.12 Temperature condition: -40°C →Room temperature→			
p	Current (30 minutes value)	No alected	alana uma aliku	+85°C →Room temperature			
	Appearance		abnormality	Number of cycles : 5 Cycles Conforms to 4.14 Temperature : 40±2°C Relative humidity : 90 to 95 %RH Testing time : 240±8 hours			
High temp. and high	Capacitance		% of initial value				
	ESR		ed 120% of initial ratings				
humidity resistance	Current (30 minutes value)	Not to exce	ed 120% of initial ratings				
	Appearance	No obvious	abnormality				
	Capacitance	Within ±30	% of initial value	Conforms to 4.15 Temperature: 85±2°C			
	ESR	Below 2009	% of initial ratings				
High temperature load	Current (30 minutes value)		% of initial ratings	Voltage applied : MAX operating voltage Series protection resistance : 0Ω Testing time : 1000** Hours			
	Appearance	No obvious	abnormality				

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