

- Ultra miniature Radial Type 5mm Height
- Designed for use in VCRs, car radios, Car stereos.

Characteristics

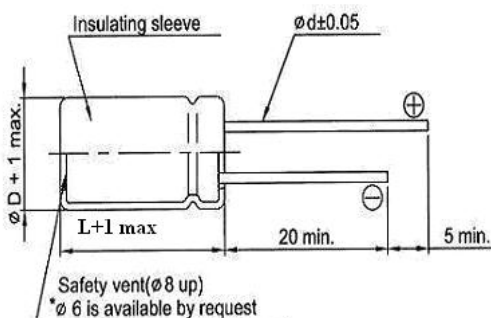
Voltage Range	4 ~ 50 V								
Capacitance Range	0.1 ~ 220uF								
Temperature Range	-40 ~ + 105°C								
Capacitance Tolerance	±20% at 120Hz, 20°C (10% Tol. is available upon request)								
Leakage Current	≤0.01CV or 3uA, whichever is greater (After 2 minutes)								
Dissipation Factor	Rated Voltage (V)	4V	6.3V	10V	16V	25V	35V	50V	
	Dissipation Factor(tanδ)max	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
(at 20°C, 120Hz)									
Stability at Low Temperature	Impedance ration at 120Hz								
	Rated Voltage (V)	4V	6.3V	10V	16V	25V	35V	50V	
	Z-25°C/Z 20°C	7	4	3	2	2	2	2	
	Z-40°C/Z 20°C	15	8	6	4	4	3	3	
Load Life (size 8x5mm is 85°C 1000hrs)	After the rated voltage has been applied for 1000 hours at 105°C	Capacitance change		Within ±20% of initial value					
		D.F. tanδ		200% or less of initial specified value					
		Leakage current		Less than Initial specified value					
Shelf Life (size 8x5mm is 85°C 500hrs)	After storage for 1000 hours at 105°C with no voltage applied, the capacitor shall meet the specified limit in load life. Pre-treatment for measurement shall be conducted after application of DC working voltage for 30 minutes.								

Case Size of Standard Products & Maximum Ripple Current mA rms 105°C 120Hz

Cap. WV uF	4V		6.3V		10V		16V		25V		35V		50V	
	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.
0.1												→	4x5*	1.0
0.22												→	4x5*	2.0
0.33												→	4x5*	2.8
0.47												→	4x5*	4.0
1												→	4x5*	8.0
2.2												→	4x5*	10
3.3												→	4x5	17
4.7								→	4x5*	16	4x5	18	5x5	20
10						→	4x5*	23	4x5	27	5x5	30	6.3x5	33
22					4x5	28	5x5	37	5x5	42	6.3x5	46	6.3x5	48
33		→	4x5	37	5x5	41	5x5	49	6.3x5	53	8x5	62		
47	4x5	34	5x5	45	5x5	45	6.3x5	58	6.3x5	60	8x5	80		
100	5x5	50	6.3x5	56	6.3x5	70	6.3x5	85	8x5	95				
220		→	6.3x5	90	8x5	95								

- Also 3x5 is available, size 8x5 is 85°C only.

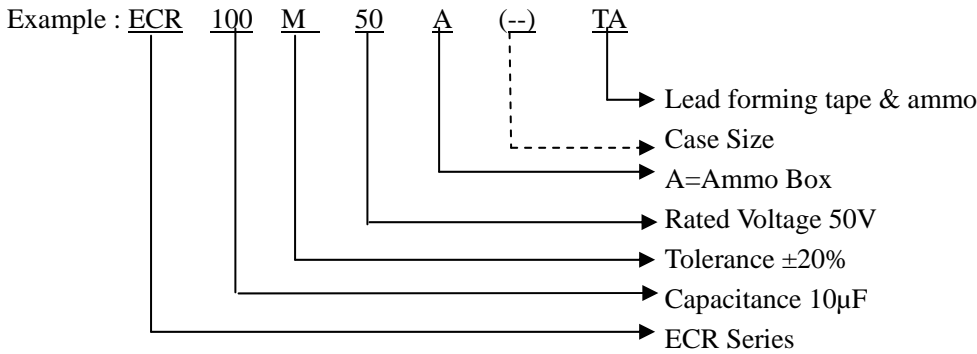
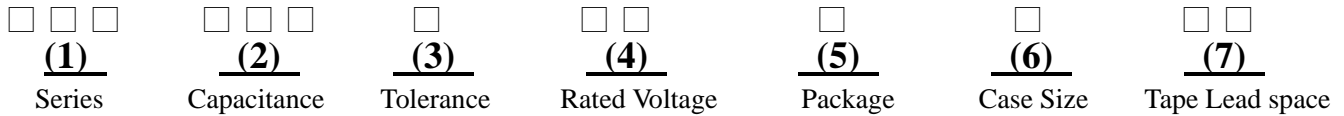
Diagram of dimensions



D ø	4	5	6.3	8
p	1.5	2.0	2.5	3.5
d ø	0.45			

Part Numbering System

When you place an order for HITANO electrolytic capacitors, please refer to our part number as shown below.



(1) Series:

Series is represented by three digit code. Please refer to “Series Table” on page 3

(2) Capacitance:

Rated capacitance in μF is represented by a three digit number. The first two digits are the significant figures of the nominal capacitance and the third digit indicates the number of zeros following these figures. The decimal point is represented by the capital letter R. Please refer to the following example:

μF	0.1	0.47	1	4.7	10	47	100	470	1000	4700	10000
Part number	0R1	R47	010	4R7	100	470	101	471	102	472	103

(3) Tolerance:

Symbol of M and K show special capacitance tolerance which are listed as follows:

K = -10% ~ +10%	M = -20% ~ +20%
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(4) Rated Voltage:

Voltage on volts (V) is represented by two digit code showing the real working voltage indicated as follows:

Voltage(WV)	2.5	4	6.3	10	16	20	25	35	40	50	63	80	100	160	200	250	350	400	450
Code	0E	0G	0J	10	16	20	25	35	40	50	63	80	2A	2C	2D	2E	2V	2G	2W

(5) Package:

B = Bulk ;	
C5 = Lead Cutting 5mm & Loose Package	AC5= Smaller Size With Cutting 5mm
A = Tape & Ammo Package	R = Tape & Reel Package
F5 = Lead Forming & Cutting 5mm & Loose Package	

(6) Case Size:(Omit if only One size.)

EVS ,ERS = Apply Size Code	V-CHIP = Apply Size Code
Snap In Type= Apply Size Code	A=Smaller Size For Bulk
S= Customized Size	

(7) Lead Space (Omit if Loose Package)on page 31

T1 = Lead space 2.5mm Tape(d=4 or 5 Forming)	TA = Lead Forming space 5mm Tape
T3 = Lead space 7.5mm Tape	T2 = Lead space 5mm Tape
T35= Lead space 3.5mm Tape	

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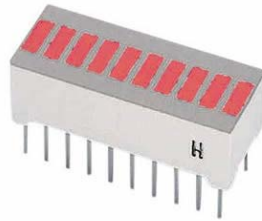


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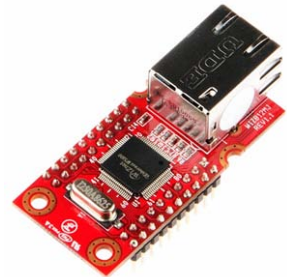
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10-Segments LED Bar Display



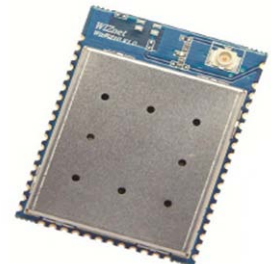
Ethernet Module



Arduino Uno



MicroSD Breakout Board



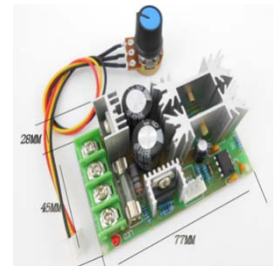
WiFi Module



20x4 LCD Display Module



Stepper Motor Driver



PWM Motor Speed Controller



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