

S5

Low Profile Series

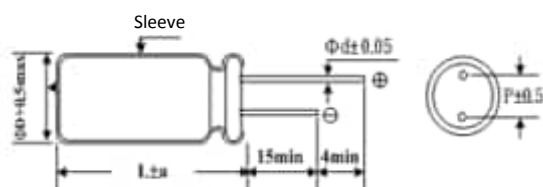
- Endurance: 105°C 1000hours
- Recommended Applications :Applicable for VTR,Camera,Car Audio,Miniaudio and other industrial/commrecial applications
- Corresponding product to RoHS



SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-40 ~ +105℃						
Rated Voltage Range	6.3 ~ 50VDC						
Rated Capacitance Range	1 ~ 470 μ F						
Capacitance Tolerance	± 20 % at 120Hz , 20℃						
Leakage Current (20℃)	I=0.01CV or 3(μ A) whichever is greater.(After rated voltage applied for 2 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)						
Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)	WV	6.3	10	16	25	35	50
	tan δ	0.24	0.20	0.17	0.15	0.12	0.10
Low Temperature Stability Impedance Ratio (MAX)	WV Z(120Hz)	6.3	10	16	25	35	50
	Z-25℃ / Z+20℃	4	3	2	2	2	2
	Z-40℃ / Z+20℃	8	6	4	4	3	3
Endurance	After apply rated voltage for 1000 hours at 105℃,the capacitors shall meet the following requirements.						
	Capacitance change		Within ± 20% of initial value				
	D.F. (tan δ)		Not more than 200% of specified value				
	Leakage current		initial specified value or less				
Shelf Life	After placed at 105℃ without voltage applied for 500 hours,the capacitors shall meet the sane requirement as Endurance.						

Dimensions [mm]



ΦD	4.0	5.0	6.3	8.0
P	1.5	2.0	2.5	3.5
Φd	0.45			
a	1.0			

Notes : 8Φ have ven

Multiplier for Ripple Current

Freq. (Hz)	120	300	1K	10K
1~47 μ F	1.00	1.20	1.30	1.50
100~330 μ F	1.00	1.10	1.15	1.20

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STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	tan δ	Ripple current (mA/rms105 $^{\circ}$ C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	tan δ	Ripple current (mA/rms105 $^{\circ}$ C) (120Hz)
6.3 (8)	10	4x5	0.24	18	16 (20)	47	5x5	0.17	54
	22	4x5	0.24	28			6.3x5	0.17	58
	33	4x5	0.24	33			6.3x5	0.17	85
	47	4x5	0.24	35	25 (32)	4.7	4x5	0.15	16
		5x5	0.24	45			4x5	0.15	20
	100	5x5	0.24	55			5x5	0.15	27
		6.3x5	0.24	70		10	6.3x5	0.15	42
		6.3x5	0.24	90			5x5	0.15	45
		8x5	0.24	115			6.3x5	0.15	53
	330	8x5	0.24	100		33	5x5	0.15	55
		8x5	0.24	100			6.3x5	0.15	65
	470	8x5	0.24	100			8x5	0.15	90
10 (13)	10	4x5	0.20	20	35 (44)	4.7	4x5	0.12	18
	22	5x5	0.20	33			5x5	0.12	30
	33	4x5	0.20	34			6.3x5	0.12	48
	47	5x5	0.20	41	50 (63)	1.0	4x5	0.10	9
		5x5	0.20	46			4x5	0.10	13
	68	6.3x5	0.20	54			4x5	0.10	17
	100	6.3x5	0.20	80		4.7	4x5	0.10	17
		6.3x5	0.20	80			5x5	0.10	20
16 (20)	4.7	4x5	0.17	20			6.3x5	0.10	33
	10	4x5	0.17	23			6.3x5	0.1	55
	22	4x5	0.17	29		10	6.3x5	0.10	33
		5x5	0.17	37			6.3x5	0.1	55
	33	5x5	0.17	44		22	6.3x5	0.1	55
		6.3x5	0.17	49			6.3x5	0.1	55