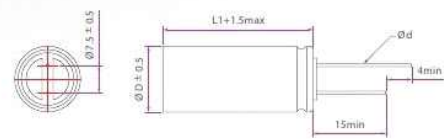


Radial Lead Type



Features

- Rated Voltage 2.5V / 2.7V
- EDLC type – PEC
- 100,000 Cycle life
- Hybrid type – PHC (R&D)
- High Current, Peak Power applications
- High Power Density (Low ESR) / High Energy Density



	unit (mm)			
Ø D	8	10	16	18
P	3.5	5	7.5	7.5
Ø d	0.6	0.6	0.8	0.8
L 1	20.0	20.0	25.0	40.0

Applications for Module Type

- | | |
|---|--|
| Remote Control
Self Charge | Wireless & Setop Box
Backup |
| Notebook & Tablet PC
Memory Backup | Electronic Device & Tools
Backup Power
Stand |
| Black Box & Car Audio
Recorder
Battery Assist | Power Saving SMPS |
| Copy Machine
Heating Backup | |
| Digital Camera | |

Specification

Category temp. range (°C)	-30~70°C	-40~60°C
Operating Voltage (V)	2.5V	2.7V
Capacitance Tolerance	-10 ~ +20%	
Characteristics at Low Temperature	Capacitance change	±30% of initial measured value at +20°C
	Internal resistance	3 times of initial measured value at +20°C
	After 1000 hours application of VR DC at 70°C(60°C), the capacitor shall meet the following limits	
Endurance	Capacitance change	±30% of initial measured value
	Internal resistance	3 times of initial measured value
Shelf Life	After 1000 hours storage at +70°C(60°C) without load, the capacitor shall meet the specified	
Life Time at RT ⁽¹⁾	10 years	(1) Δ CI < 30% and Δ ESR < 200% of initially specified value, respectively and LC < specified value
Cycle Life (25°C) ⁽¹⁾⁽²⁾	100,000 cycles	(2) Cycle : between rated voltage and half rated voltage under constant current at 25°C

** Note : Design, Specifications are subjected to be change without notice.
** E-mail Inquire : hikim@purechem.com , gemship@purechem.com

Standard Products

Rated Voltage (V)	Capacitance (F)	ESR, 1KHz (mΩ)	ESR, DC (mΩ)	LC (72hr) (mA Max.)	Specific Energy		Specific Power		Weight (g)	Volume (ml)	Size(mm)		Part number	Remark
					(Wh/kg)	(Wh/L)	(Wh/kg)	(Wh/L)			ØD	L		
2.5V	3	140	350	0.008	1.63	2.59	1,339	2,132	1.6	1.0	08	20	PEC02R55N305	
	5	110	250	0.013	1.97	2.76	1,364	1,910	2.2	1.6	10	20	PEC02R55N505	
	10	65	120	0.025	2.48	3.68	1,786	2,653	3.5	2.4	10	30	PEC02R55N106	
	25	35	65	0.063	2.89	4.32	1,538	2,296	7.5	5.0	16	25	PEC02R55N256	
	60	20	30	0.150	3.77	5.12	1,812	2,456	13.8	10.2	18	40	PEC02R55N606	
2.7V	3	60	90	0.008	2.17	3.02	6,943	9,669	1.4	1.0	08	20	PEC02R75N305	
	5	50	70	0.014	2.41	3.22	5,951	7,956	2.1	1.6	10	20	PEC02R75N505	
	10	30	50	0.027	3.49	4.30	6,033	7,426	2.9	2.4	10	30	PEC02R75N106	
	25	20	35	0.068	3.78	5.04	3,730	4,972	6.7	5.0	16	25	PEC02R75N256	
	50	10	20	0.140	4.40	4.97	3,803	4,297	11.5	10.2	18	40	PEC02R75N506	
	100	8	10	0.270	4.82	5.92	-	-	21.0	17.0	22	45	PEC02R75N107	

New Products

Rated Voltage (V)	Capacitance (F)	ESR, 1KHz (mΩ)	ESR, DC (mΩ)	LC (72hr) (mA Max.)	Specific Energy		Specific Power		Weight (g)	Volume (ml)	Size(mm)		Part number	Remark
2.3V	2.5	140	350	0.008	1.63	2.59	1,339	2,132	1.6	1.0	08	20	PEC02R35N255	85°C