

Applications:

DC linking or DC filtering in industry and traction converts, low power drives. Impulse discharge capacitors for magnetizing and welding. Replace of aluminum electrolytic capacitors for lower capacitance and higher currents.

Features:

- ◆ High impulse discharge current capability
- ◆ Very low stray inductance (ESL)
- ◆ Epoxy resin filling
- ◆ Non-polar dielectric
- ◆ Resistance to heavy duty shock and vibration
- ◆ Long life expectancy and high reliability



Specification and Performance:

Standards	IEC 61071, IEC 61881-1
Installation	Indoor use, maximum above sea level 1000M
Capacitance tolerance	-5%/+10% (optional for ±5% or ±10%)
Operating temperature of case	-40°C to +80°C
Dielectric	Metallized polypropylene film with self-healing technology
Dissipation factor	< 0.1%
Test voltage between terminals	Unx1.5 VDC, 10s
Test voltage between terminals and case	Unx2 VDC+1000 VAC, 10s
Equivalent series inductance (ESL)	< 100 nH
Filling	Epoxy resin, UL94 V-0
Case material	Aluminum
Terminals	M6, M8, or M10 terminals of tinned brass, maximum torque 3, 5, 7Nm, respectively.
Mounting method	M12 stud with washer and nut on bottom of aluminum can. Maximum torque 12 Nm
Cooling method	Naturally air-cooled or force air cooling

ISO 9001 Company



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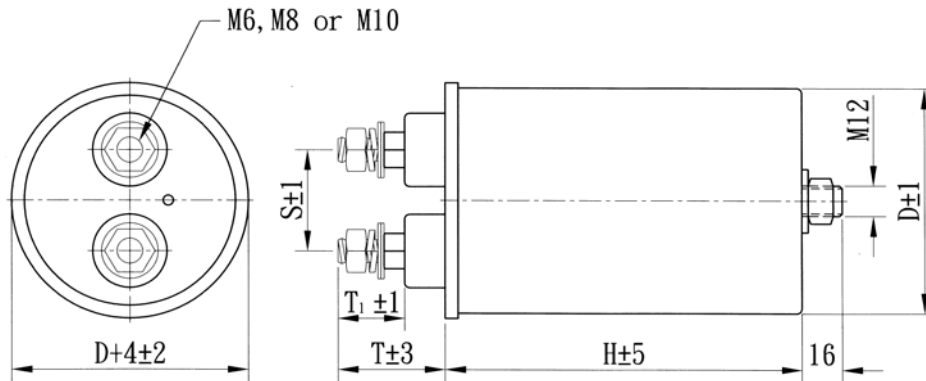
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$U_{NDC} = 880V_{DC}$

Type	Voltage V_{DC}	μF	R_s (m Ω)	R_{th} (k/W)	$I_{max.}$ (A)	I_p (kA)	I (kA)	D	H	S	T	T_1	Terminal	Weight (kg)
PE3-8-U2006	880	200	2.7	10.2	30.0	0.70	2.10	65	105	24	29	13.6	M6	0.4
PE3-8-U5106	880	510	1.6	7.4	45.0	1.28	3.83	89	130	40	40	19	M8	0.8

$U_{NDC} = 1300V_{DC}$

Type	Voltage V_{DC}	μF	R_s (m Ω)	R_{th} (k/W)	$I_{max.}$ (A)	I_p (kA)	I (kA)	D	H	S	T	T_1	Terminal	Weight (kg)
PE3-13-U9005	1300	90	5.9	4.7	30.0	0.45	1.35	65	105	24	29	13.6	M6	0.3
PE3-13-U1956	1300	195	4.1	6.5	30.0	0.49	1.46	65	185	24	29	13.6	M6	0.7
PE3-13-U7106	1300	710	1.5	4.0	60.0	3.55	10.7	116	185	40	37	21	M10	1.9

$U_{NDC} = 1750V_{DC}$

Type	Voltage V_{DC}	μF	R_s (m Ω)	R_{th} (k/W)	$I_{max.}$ (A)	I_p (kA)	I (kA)	D	H	S	T	T_1	Terminal	Weight (kg)
PE3-17-U5005	1750	50	10.6	3.7	25.0	0.35	1.05	65	105	24	29	13.6	M6	0.3
PE3-17-U1106	1750	110	7.2	5.3	25.0	0.33	0.99	65	185	24	29	13.6	M6	0.5
PE3-17-U3906	1750	390	2.7	3.2	50.0	13.7	4.10	116	185	40	37	21	M10	2.1

$U_{NDC} = 2200V_{DC}$

Type	Voltage V_{DC}	μF	R_s (m Ω)	R_{th} (k/W)	$I_{max.}$ (A)	I_p (kA)	I (kA)	D	H	S	T	T_1	Terminal	Weight (kg)
PE3-22-U3005	2200	30	17.7	2.2	25.0	0.27	0.81	65	105	24	29	13.6	M6	0.3
PE3-22-U7005	2200	70	11.4	3.4	25.0	0.28	0.84	65	185	24	29	13.6	M6	0.5
PE3-22-U2506	2200	250	4.2	2.6	45.0	1.00	3.00	116	185	40	37	21	M10	2.1

* Other voltage, current, and capacitance values are available on request.