

AD- Serie - 15.000 HRS - 85°C
Applications

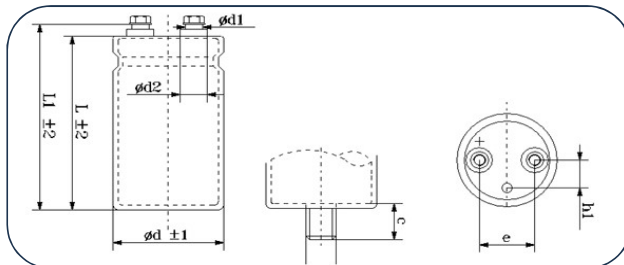
Screw terminal	High Voltage	Extended temperature range -40°C + 85°C
Professional Application	Optimized designed available on request	Very High Reliability

Case Code	DxL (mm)	L1 (mm)	h1	d1	d2	e
EJ	90 x 222	227	19	18	23	31,8

Connecting screw		
Thread	Torque (Nm)	Lenght
M6	2,5	10

Mounting screw		
Thread	Torque (Nm)	Lenght
M12	10	16

All dimensions in mm, Torque in Nm



Ordering Code:		ADUX153X420EJ1				Stud Style	
AD	(U)	X	153	X	420	EJ	1
Series	U=mounting stud	Terminals	C with multiplying factor:	Tolerance	V _R	Size	1=sleeve 0=no sleeve
	Void=flat bottom		1=x10, 2=x100, 3=x1.000,				

Electrical Parameters

Capacitance:	15.000 uF (25°C 100Hz)
Capacitance tolerance:	X=-10% / +30%
Rated Voltage:	420 Vdc
Surge Voltage:	460 Vdc
ESR_{Max}:	7 mΩ (25°C 100Hz)
Tand_{Max}:	7 % (25°C 100Hz)
I_{ripple}:	31,39 A (85°C 100Hz)
I_{leakage}:	≤0,004xCxV mA (rated voltage, 25°C, 5min)

Expected lifetime

15000hrs@85°C, Rated Voltage, Iripple
 200000hrs@45°C, Rated Voltage, Iripple
 End of life criteria:
 Dcap≤30%
 DESR≤3XESR_{Max}
 I_{leakage}≤I_{leakageMax}

Iripple=IripplemA (rated voltage, 25°C, 5min)xKtxKf Iripple determination

Frequency	Kf
50	0,78
100	1,00
120	1,02
200	1,06
300	1,08
400	1,09
500	1,32
>1000	1,37

Temperature	Kt
40	1,55
55	1,40
65	1,20
75	1,10
85	1,00
95	
105	

Special Features

Power Electronics, Professional Supplies, Medical devices,
 Energy Storage, UPS, Traction

Please contact our Technical Service for more information

Packaging
Qty/box
Weight/box

EJ

6

9-12

All weights in kg

NOTE:


Quality and Environmental Integrated System up to EN ISO 14001:2004 EN ISO 9001: 2008

ITELCOND s.r.l. – Tel. +390290362995

Commercial information e-mail: sales@itelcond.it

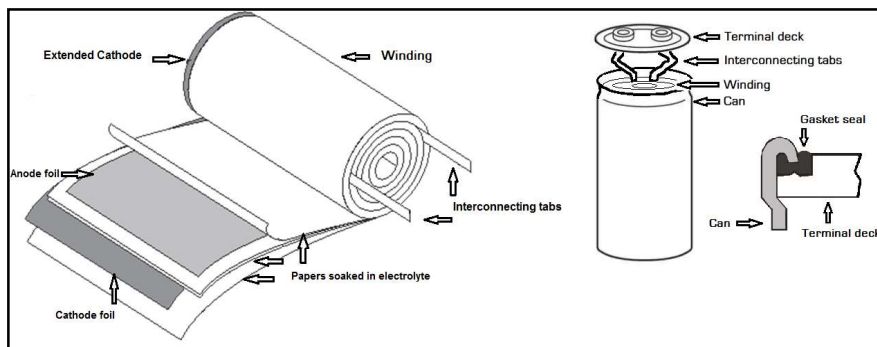
Technical information e-mail: qualityassurance@itelcond.it

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CONSTRUCTION

This model is still valid, as the formulas that relate to it, if we consider it as a finite element of a real-life aluminium electrolytic capacitor, the detailed overview of the construction of whose includes: **Anode foil and dielectric - Cathode foil and electrolyte-soaked paper - Rolled cylinder structure - Interconnecting tabs and terminals - Aluminium can enclosure - Terminal deck and sealing**



VIBRATION TEST RESISTANCE - CLIMATIC CATEGORY

Vibration Test:	Schock Test:	Climatic Category:
IEC 600868	IEC 61373	40/85/56

NOT FLAMMABLES MATERIALS

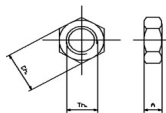
SLEEVE PRINTING	COMPONENT	MATERIAL	UL rating
Thermo	Cover / Deck	Thermosetting	V0
	Plastic Sleeve	PVC	V0
	Bottom Insulation	PVC	V0
	Plastic Washer	Thermoplastic	V0
	Hex Nut	Thermoplastic	V0

ACCESSORIES DETAILS

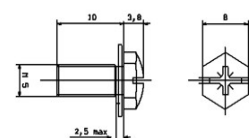
The capacitors are supplied with suitable screws. Other accessories are selling separate, depends of the models needs. Accessories are not fastened to the capacitor.

STUD Version Accessories - METAL NUTS

P.Number	Th	A	Ch
1121	M8	18	17
1277	M12	18	19

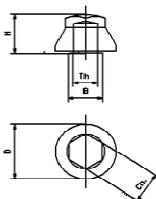


METAL SCREW



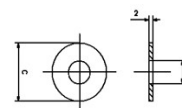
STUD Version Accessories - PLASTIC NUTS

P.Number	Th	B	D	H	Ch
1210	M8	18	25	15	17
1126	M12	18	30	20	19
1502	M12	22,5	30	18	19
1508	M12	30	38	18	19

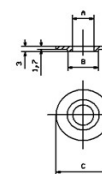


INSULATED WASHERS

P.Number	A	C
1074	M8	25
1075	M12	35

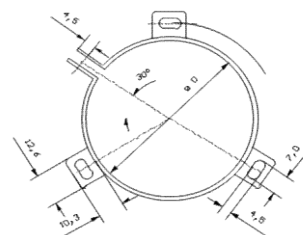
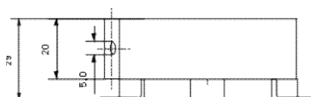


P.Number	A	B	C
1073	M8	18	25
1076	M12	18	35



PLAIN VERSION

Ring clip code	D	A
ZAF-A	35	46
ZAF B	51	63,5
ZAF C	63	76
ZAF D	76	89
ZAF E	90	106



Quality and Environmental Integrated System up to EN ISO 14001:2004 EN ISO 9001: 2008

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