



AG - Serie - 6.000 HRS - 85°C

Applications

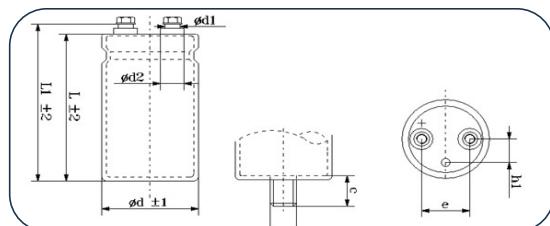
Screw terminal	High Voltage	Extended temperature range -40°C + 85°C
Professional Application	Optimized designed available on request	Very High Reliability

Case Code	DxL (mm)	L1 (mm)	h1	d1	d2	e
BB	51 x 83	89	13	13	18	22,2

Connecting screw		
Thread	Torque (Nm)	Lenght
M5	2	10

Mounting screw		
Thread	Torque (Nm)	Lenght
M12	10	16

All dimensions in mm, Torque in Nm



Ordering Code:	AGUX821M600BB1						Stud Style
AG	(U)	X	821	M	600	BB	1
Series	U=mounting stud	Terminals	C with multiplying factor: 1=x10, 2=x100, 3=x1.000,	Tolerance	V _R	Size	1=sleeve 0=no sleeve
	Void=flat bottom						

Electrical Parameters

Capacitance:	820 uF (25°C 100Hz)
Capacitance tolerance:	M=+/-20%
Rated Voltage:	600 Vdc
Surge Voltage:	630 Vdc
ESR Max:	218 mΩ (25°C 100Hz)
Tand Max:	15 % (25°C 100Hz)
I ripple:	3,92 A (85°C 100Hz)
I leakage	≤0,004xCxV mA (rated voltage, 25°C, 5min)

6000hrs@85°C, Rated Voltage, Iripple,

20000hrs@45°C, Rated Voltage, Iripple,

End of life criteria:

Dcaps≤30%

DESR≤3XESRMax

Ileakage≤IleakageMax

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	1,80
55	1,65
65	1,45
75	1,25
85	1
95	-
105	-

Special Features
Power Electronics, Professional Supplies, Medical devices, Energy Storage, UPS, Traction
<i>Please contact our Technical Service for more information</i>

Packaging	Qty/box	Weight/box
BB	30	6-9

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

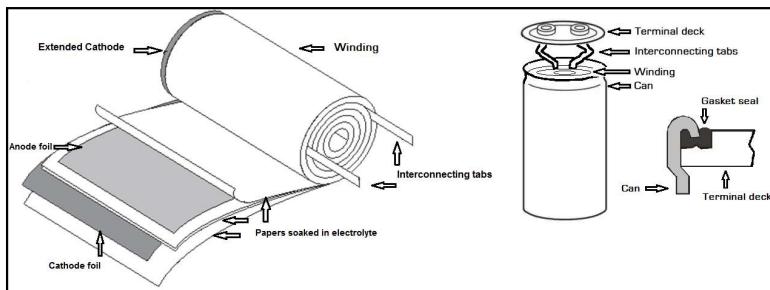
Technical information e-mail: qualityassurance@itelcond.it

For Terms and Conditions see our website www.itelcond.it



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:

IEC 600868

Schock Test:

IEC 61373

Climatic Category:

40/85/56

NOT FLAMMABLES MATERIALS

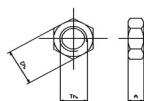
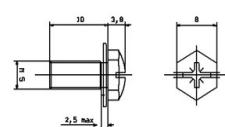
SLEEVE PRINTING	COMPONENT	MATERIAL	Thickness (mm)	UL rating	UL file
Thermo	Cover / Deck	Phenolic Moulding	>1mm	V0	E59481
	Epoxy Moulding	>1mm	V0		E255557
	Plastic Sleeve	PVC	0.15	V0	E129478
	Bottom Insulation	PVC	0.3	V0	E82555
	Plastic Washer	Thermoplastic		V0	E107536
	Hex Nut	Thermoplastic		V0	E47960

ACCESSORIES DETAILS

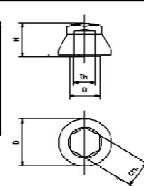
The capacitors are supplied with suitable screws. Other accessories are selling separate, depends of the models needs. Accessories are not fastened to the capacitor.

STUD Version Accessories - METAL NUTS

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

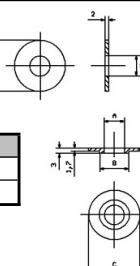

METAL SCREW

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

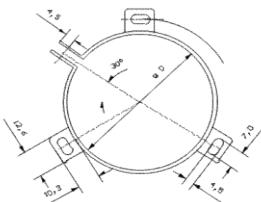
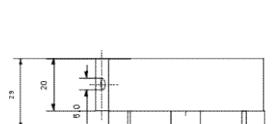

INSULATED WASHERS

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



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