

# DATA SHEET

## Capacitor for Power Electronics

**TYPE :** PVAJP 24 - 1,2/470

**Standard** acc. to IEC 61071  
acc. to EN 61881

### CHARACTERISTICS

Rated DC voltage	VDC	1 200
Ripple voltage $U_r$	V	250
Capacitance	$\mu F$	470
$C_N$ tolerance	%	- 10/+10
Current	A	70
$u_{max}$ periodic	V	1 440
$u_s$ non-periodic	V	1 800
$i_{max}$ periodic	kA	3,6

Series resistance	mOhm	1,6
Self inductance	nH	< 55

### THERMAL CONDITIONS

Dielectric losses	W/kvar	0,2
Service temperature	$^{\circ}C$	-40/+70
Storage temperature	$^{\circ}C$	-40/+85

### SERVIS LIFE

Life expectancy	h	130 000
at hot spot	$^{\circ}C$	55
Failure rate	FIT	100

### DIMENSION

$\varnothing D$	mm	85
H - case	mm	234
t - terminals	mm	4
Total height ( T + t )	mm	238
Spacing	mm	32
Terminal	M	M6 x 10
Torque for M6	Nm	nominal/max 4/5
Torque for M12 - bolt	Nm	nominal/max 6/7
Creep distance	mm	31
Strike distance	mm	29

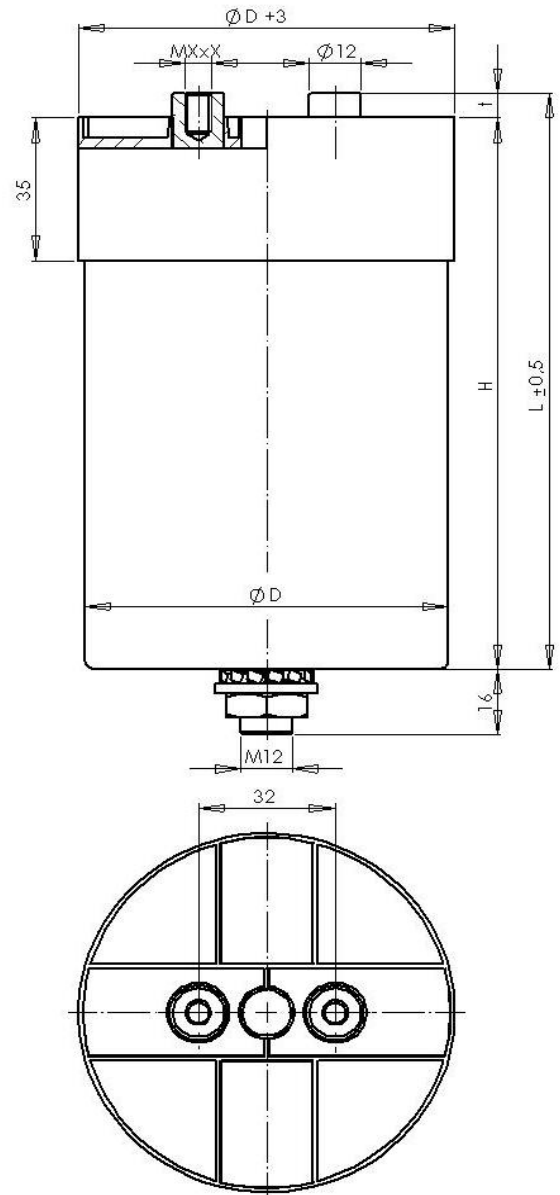
### TEST DATA ( routine test )


Test voltage $U_{T/T}$	VDC	1 800
Test time	sec	10
Test voltage $U_{T/C}$	VAC	4 000
Test time	sec	60

### DESIGN

**Design** MKP metallized polypropylene capacitors encapsulated in Al case by polyurethan resin UL-94,V0, PCB and halogen free

<b>Safety devices</b>	No fuse	Without interrupter
<b>Combustion load</b>	MJ	48
<b>Weight</b>	kg	1,25



		DRAWN :	Fal.
TYPE :	see above	DRW. No.	3BP 1379
		APPVD :	
		Date :	23.2.2012
	ZEZ-SILKO s.r.o.	tel : +420 465 673 111	
	Pod Černým lesem CZ 564 22 ŽAMBERK Czech Republic	fax : +420 465 612 319 e-mail : zez@zez-silko.cz <a href="http://www.zez-silko.cz">http://www.zez-silko.cz</a>	