

# DSCC 10004



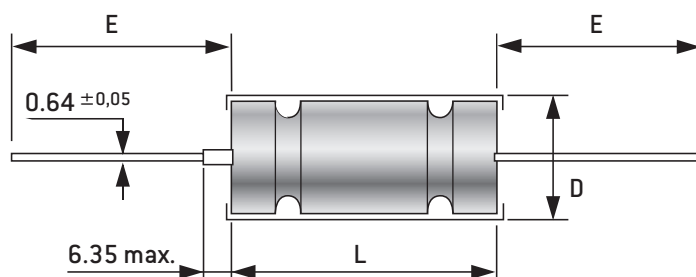
Wet tantalum capacitors  
**Hermetically sealed tantalum cases**  
**Very high capacitance**  
**Enhanced performances**  
 Axial leads  
 Polarized

## ELECTRICAL AND CLIMATIC CHARACTERISTICS

	DSCC 10004
Detail specification	DWG NO. 10004
Operating temperature	-55°C +125°C
Capacitance range	220µF ⇒ 10000µF
Tolerance	± 10% - ± 20%
Voltage range	10V ⇒ 125V
Max. capacitance change -55°C	see table
Max. capacitance change +85°C	see table
Max. capacitance change +125°C	see table
Max. impedance at 120Hz -55°C	see table
Max. leakage current at +25°C	see table
Max. leakage current at +85°C / +125°C	see table
Max. ESR at 120Hz +25°C	see table
Max. ripple current 40kHz +85°C	see table
Reverse voltage	No continuous Reverse voltage. Reverse voltage is acceptable under some conditions: $U_{REV} \leq 1,5 \text{ V}$ , $I_t \leq 0,05 \text{ A}$ second and repetition rate < 10Hz
Max. surge voltage at +85°C	1,15 x $U_R$

## DIMENSIONS (mm)

Case (code)	Without insulating sleeve		With insulating sleeve	Lead length E ± 6,35
	D ± 0,41	L <sup>+0,79</sup> <sub>-0,41</sub>	D max.	
T3	9,52	19,46	10,31	57,15
T4	9,52	26,97	10,31	57,15



**PACKAGING, CONSTRUCTION:**  
 see general characteristics

## HOW TO ORDER

EXXELIA PN	Model code	Dash Number	Tolerance code	Insulating sleeve
	10004	-38	K	S
			K = ± 10% M = ± 20%	U = Without S = With

## DSCC 10004

## STANDARD RATINGS - ELECTRICAL CHARACTERISTICS

Capacitance 120Hz +25°C ( $\mu$ F)	Case (code)	Dash Number	Capacitance maximum change			Max. Impedance 120Hz -55°C ( $\Omega$ )	Max. I leak		Irms Max. 40kHz +85°C (mA)	Max. ESR 120Hz +25°C ( $\Omega$ )
			-55°C (%)	+85°C (%)	+125°C (%)		+25°C ( $\mu$ A)	+85°C +125°C ( $\mu$ A)		
<b>Rated voltage (+85°C) 10 V - Derated voltage (+125°C) 7 V</b>										
4700	T3	01	-80	+10	+20	3,5	16	100	4000	0,35
10000	T4	02	-85	+20	+35	3	25	150	5000	0,25
<b>Rated voltage (+85°C) 16 V - Derated voltage (+125°C) 11 V</b>										
3300	T3	03	-80	+10	+15	3,5	16	100	4000	0,35
6000	T4	04	-80	+15	+20	3	25	150	4500	0,30
<b>Rated voltage (+85°C) 25 V - Derated voltage (+125°C) 15 V</b>										
4000	T4	05	-80	+15	+20	5	25	125	4250	0,35
<b>Rated voltage (+85°C) 30 V - Derated voltage (+125°C) 20 V</b>										
3300	T4	06	-80	+20	+25	4	25	125	2750	0,35
<b>Rated voltage (+85°C) 35 V - Derated voltage (+125°C) 22 V</b>										
2800	T4	07	-80	+20	+30	4,5	25	125	4000	0,35
<b>Rated voltage (+85°C) 50 V - Derated voltage (+125°C) 30 V</b>										
900	T3	34	-75	+20	+20	10	15	125	2500	0,90
1500	T3	35	-85	+25	+30	8	25	130	2400	1,00
1500	T4	08	-70	+20	+20	6	15	110	3500	0,45
2200	T4	15	-80	+25	+30	4,5	25	125	3000	0,60
<b>Rated voltage (+85°C) 60 V - Derated voltage (+125°C) 40 V</b>										
560	T3	36	-70	+12	+15	10	20	120	2500	0,90
1000	T4	09	-40	+10	+15	5,5	20	120	3500	0,50
1200	T4	16	-70	+15	+20	6	20	200	3500	0,50
1800	T4	28	-75	+25	+25	6	25	250	3000	0,50
<b>Rated voltage (+85°C) 75 V - Derated voltage (+125°C) 50 V</b>										
470	T3	11	-45	+10	+25	10	25	100	3000	0,60
750	T4	12	-35	+10	+15	6,5	20	120	3500	0,50
940	T4	17	-60	+12	+20	8	20	200	3500	0,50
1200	T4	30	-75	+25	+25	8	25	250	2750	0,80
<b>Rated voltage (+85°C) 100 V - Derated voltage (+125°C) 65 V</b>										
220	T3	38	-55	+10	+15	18	5	25	2500	1,40
400	T4	13	-40	+6	+12	15	10	120	3000	0,70
470	T4	18	-50	+10	+20	10	25	250	3500	0,70
<b>Rated voltage (+85°C) 125 V - Derated voltage (+125°C) 85 V</b>										
240	T4	14	-35	+6	+12	20	15	150	2500	0,80
330	T4	24	-55	+8	+12	15	25	250	2500	0,80