DSCC 10004

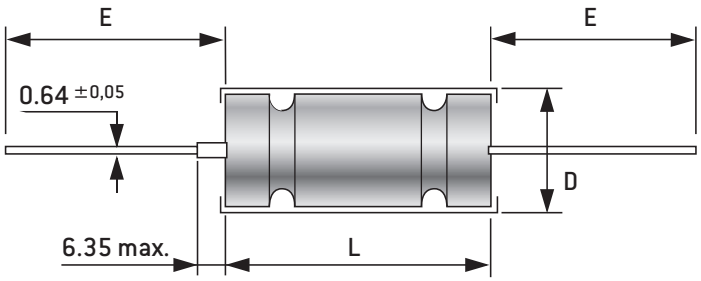
Wet tantalum capacitors
Hermetically sealed tantalum cases
Very high capacitance
Enhanced performances
Axial leads
Polarized

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: $U_{REV} \leq 1,5$ V, It ≤ 0,05 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
	D ±0,41	L +0,79 −0,41	D max.	E ±6,35
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 (µF)	Case (code)	Dash Number	Capacitance maximum change			Max. Impedance 120Hz −55°C (Ω)	Max. I leak		Irms Max. 40kHz +85°C (mA)	Max. ESR 120Hz +25°C (Ω)
			−55°C (%)	+85°C (%)	+125°C (%)		+25°C (µA)	+85°C +125°C (µA)		
Rated voltage (+85°C) 10 V - Derated voltage (+125°C) 7 V										
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
Rated voltage (+85°C) 16 V - Derated voltage (+125°C) 11 V										
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
Rated voltage (+85°C) 25 V - Derated voltage (+125°C) 15 V										
4000	T4	05	−80	+15	+20	5	25	125	4250	0,35
Rated voltage (+85°C) 30 V - Derated voltage (+125°C) 20 V										
3300	T4	06	−80	+20	+25	4	25	125	2750	0,35
Rated voltage (+85°C) 35 V - Derated voltage (+125°C) 22 V										
2800	T4	07	−80	+20	+30	4,5	25	125	4000	0,35
Rated voltage (+85°C) 50 V - Derated voltage (+125°C) 30 V										
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
Rated voltage (+85°C) 60 V - Derated voltage (+125°C) 40 V										
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
Rated voltage (+85°C) 75 V - Derated voltage (+125°C) 50 V										
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
Rated voltage (+85°C) 100 V - Derated voltage (+125°C) 65 V										
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
Rated voltage (+85°C) 125 V - Derated voltage (+125°C) 85 V										
240	T4	14	−35	+6	+12	20	15	150	2500	0,80
330	T4	24	−55	+8	+12	15	25	250	2500	0,80