

10.6 DC Capacitors, MPP - General Use
according to VDE 0560 Part 14

General Technical Data

Tanδ ₆₀	2 x 10 ⁻⁴
Capacitance tolerance	±10%
Insulation strength R _{is} x C	>10 000s
Limiting temperatures	-40...+70°C
Storage temperatures	-40...+85°C
Humidity class	F
Service life	100 000h
Permitted failure rate	3%
Terminals	Solder slug

Factor of voltage reduction at temperature >40°C :

60°C:	0.94
70°C:	0.86
85°C:	0.65

Dimensions

D ₁	G ₁	L ₁	K	L
25	M8	10	6.5	6
30	M8	10	6.5	6
35	M8	10	6.5	6
40	M8	10	6.5	6
45	M8	10	6.5	6
50	M12	16	6.5	6
55	M12	16	6.5	6
60	M12	16	6.5	6

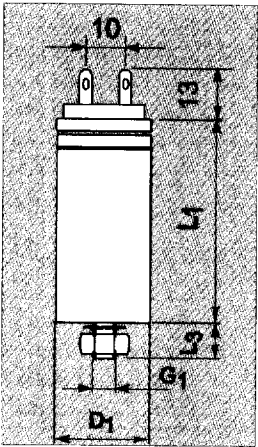


Fig. 1

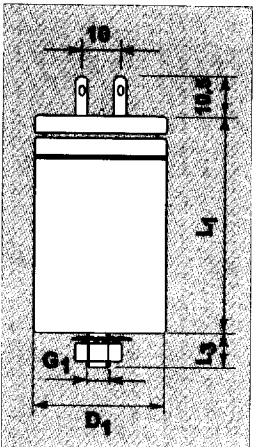


Fig. 2

Part No:	Rated Values						Limiting Values				Fig.	Dimensions		G
	C _R	W _n	I _n	R _s	L _e	T _u	I _{max}	I _{eff}	(dU/dt) _{max}	D ₁		L ₁		
	μF	Ws	A	mΩ	nH	°C	A	A	V/μs	mm		mm	g	
U _R	DB:	630 V		U _{max} 430 V			U _{max} 1600V (1ms)			U _{DB}	880V DC			
	KB:	790 V					U _{max} 1900V (1μs)				3000V AC			
	252.410-96010W	0.5	0.1	0.1	34	60	40	30	3	60	1	25	48	35
	252.410-96110W	1	0.2	0.1	18	60	40	60	5	60	1	25	48	35
	252.420-96210W	2	0.4	0.3	10	60	40	120	7	60	2	30	48	40
	252.412-96310W	3	0.6	0.4	26	80	40	100	5	32	1	25	80	50
	252.422-96410W	4	0.8	0.5	21	80	40	130	6	32	2	30	80	70
	252.440-96410W	4	0.8	0.5	5.5	60	40	240	10	60	2	40	48	80
	252.432-96610W	6	1.2	0.8	15	80	40	190	8	32	2	35	80	100
	252.432-96810W	8	1.6	1.1	12	80	40	260	9	32	2	35	80	100
	252.442-96110W	10	2.0	1.4	10	80	40	320	10	32	2	40	80	130
	252.452-96110W	12	2.4	1.6	8.4	80	40	380	11	32	2	40	80	130
	252.436-96110W	16	3.2	2.2	20	150	40	240	9	15	2	35	148	190
	252.462-96110W	16	3.2	2.2	6.9	80	40	510	13	32	2	50	80	190
	252.446-96210W	20	4.0	2.7	17	150	40	300	10	15	2	40	148	230
	252.456-96210W	25	5.0	3.4	15	150	40	380	12	15	2	45	148	280
	252.466-96310W	32	6.4	4.3	12	150	40	480	14	15	2	50	148	350
U _R	DB:	850 V		U _{max} 530 V			U _{max} 2125V (1ms)			U _{DB}	1190V DC			
	KB:	1060 V					U _{max} 2600V (1μs)				3700V AC			
	252.410-98010W	0.5	0.2	0.1	26	60	40	40	4	80	1	25	48	35
	252.420-98110W	1	0.4	0.2	14	60	40	80	6	80	2	30	48	40
	252.412-98210W	2	0.7	0.3	27	80	40	80	5	40	1	25	80	50
	252.430-98210W	2	0.7	0.3	7.5	60	40	160	8	80	2	35	48	60
	252.422-98310W	3	1.1	0.5	19	80	40	120	6	40	2	30	80	70
	252.432-98410W	4	1.4	0.7	15	80	40	160	8	40	2	35	80	100
	252.442-98610W	6	2.2	1.0	11	80	40	240	10	40	2	40	80	130
	252.452-98810W	8	2.9	1.3	8.5	80	40	320	12	40	2	45	80	160
	252.436-98110W	10	3.6	1.7	24	150	40	180	8	18	2	35	148	190
	252.462-98110W	10	3.6	1.7	7.3	80	40	400	13	40	2	50	80	190
	252.446-98110W	12	4.3	2.0	21	150	40	220	9	18	2	40	148	230
	252.456-98110W	16	5.8	2.7	17	150	40	290	11	18	2	45	148	280
	252.456-98210W	20	7.2	3.3	15	150	40	360	12	18	2	45	148	280
	252.466-98210W	25	9.0	4.2	12	150	40	450	14	18	2	50	148	350
	252.476-98310W	32	11.6	5.3	11	150	40	580	15	18	2	55	148	440