

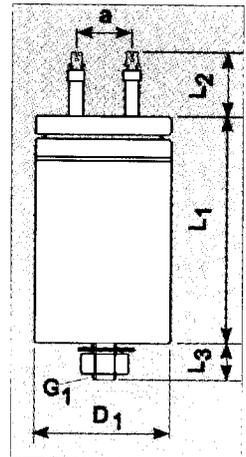
9.2 AC Capacitors, MPP, Design B - Damping, Commutation -
 In accordance with IEC 1071/ VDE 0560 Part 120/121

General Technical Data

Tanδ _s	2 x 10 ⁻⁴
Capacitance tolerance	±10%
Limiting temperatures	-25...+70°C
Storage temperatures	-40...+85°C
Humidity class	F
Service life	100 000h
Permitted failure rate	3%
Terminals	Tab connector 6.3 x 0.8mm

Dimensions

D1	a	G1	L3
45	19	M8	10
50	26	M12	16
55	26	M12	16
60	34	M12	16



Part No:	Rated Values						Limit Values				Dimensions					G
	C _R μF	I _n A	R _s mΩ	P _{Vn} W	L _e nH	T _U °C	I _{max} A	(dU/dt) _{max} V/μs	I _s A	(dU/dt) _s V/μs	D ₁ mm	L ₁ mm	L ₂ mm	L mm	K mm	
U_R 1100V	U_{rms} 800V U_{MAX} 1400V						U_i 800V U_s 1800V				U_{BB} 2400V DC U_{BG} 2600V AC					
253.550-40620W	1	12	7.5	1.4	120	60	300	300	690	690	45	51	30	9	10	110
253.553-40820W	2.2	12	13	2.4	150	60	440	200	1010	460	45	83	30	9	10	170
253.563-40920W	3.3	15	9.4	2.6	160	60	660	200	1520	460	50	83	30	10	10	220
U_R 1400V	U_{rms} 1000V U_{MAX} 1800V						U_i 1000V U_s 2300V				U_{BB} 3100V DC U_{BG} 3000V AC					
253.550-50420W	0.47	11	9	1.4	130	60	141	300	320	690	45	51	40	9	20	110
253.551-50520W	0.68	13	8	1.8	140	60	170	250	390	580	45	65	40	9	20	140
253.553-50620W	1	11	16	2.4	160	60	200	200	460	460	45	83	40	9	10	170
253.563-50720W	1.5	13	14	2.8	170	60	300	200	690	460	50	83	40	10	10	220
253.553-52320W	2	14	11	2.3	170	60	400	200	920	460	45	83	40	9	10	170
253.563-50820W	2.2	14	11	2.8	170	60	440	200	1010	460	50	83	40	10	10	220
U_R 1700V	U_{rms} 1200V U_{MAX} 2200V						U_i 1200V U_s 2700V				U_{BB} 3650V DC U_{BG} 3400V AC					
253.550-60420W	0.47	10	9	1.4	130	60	141	300	320	690	45	51	40	9	10	110
253.553-60620W	1	10	16	2.4	160	60	230	230	530	530	45	83	40	9	10	170
253.565-60820W	2.2	15	13	3.9	190	60	330	150	770	350	50	124	40	10	10	290
U_R 1800V	U_{rms} 1270V U_{MAX} 2250V						U_i 1300V U_s 2900V				U_{BB} 3900V DC U_{BG} 3600V AC					
253.563-60620W	1	12	15	2.6	170	60	300	300	690	690	50	83	40	10	10	220
253.573-60720W	1.5	14	12	2.8	170	60	450	300	1040	690	55	83	40	10	10	270
U_R 2100V	U_{rms} 1500V U_{MAX} 2600V						U_i 1500V U_s 3400V				U_{BB} 4560V DC U_{BG} 4000V AC					
253.551-70220W	0.22	10	15	1.8	140	60	132	600	300	1380	45	65	40	9	20	140
253.551-70320W	0.33	10	13	1.8	140	60	165	500	380	1150	45	65	40	9	20	140
253.553-70420W	0.47	12	14	2.4	160	60	260	550	600	1270	45	83	40	9	20	170
253.565-70620W	1	14	16	3.9	190	60	450	450	1040	1040	50	124	40	16	20	290
253.576-70820W	2.2	17	15	5.2	220	60	616	280	1410	640	55	151	40	16	20	440

Part No:	Rated Values						Limit Values				Dimensions					G
	C_R	I_n	R_s	P_{v_n}	L_e	T_u	i_{max}	$(dU/dt)_{max}$	i_s	$(dU/dt)_s$	D_1	L_1	L_2	L	K	m
	μF	A	m Ω	W	nH	$^{\circ}C$	A	V/ μs	A	V/ μs	mm	mm	mm	mm	mm	g
U_R 2500V	U_{rms} 1800V U_{MAX} 3190V						U_i 1800V U_s 4000V				U_{BB} 5500V DC U_{BO} 4800V AC					
253.553-80420W	0.47	11	14	2.4	160	60	259	550	600	1270	45	83	40	9	20	170
253.565-80620W	1	13	15	3.9	190	60	450	450	1040	1040	50	124	40	16	20	290
253.585-83220W	1.6	16	12	4.7	200	60	600	375	1380	860	60	124	40	20	20	460
U_R 3000V	U_{rms} 2100V U_{MAX} 3800V						U_i 2100V U_s 4800V				U_{BB} 6400V DC U_{BO} 5200V AC					
253.553-90220W	0.22	10	16	2.4	160	60	220	1000	510	2300	45	83	40	9	20	170
253.565-90420W	0.47	14	18	3.9	190	60	470	1000	1080	2300	50	124	40	16	20	290
253.565-93520W	0.5	14	18	3.9	190	60	500	1000	1150	2300	50	124	40	16	20	290
253.585-90620W	1	18	12	4.7	200	60	600	600	1380	1380	60	124	40	20	20	460
U_R 3500V	U_{rms} 2500V U_{MAX} 4400V						U_i 2500V U_s 5600V				U_{BB} 7600V DC U_{BO} 6000V AC					
253.553-90120W	0.1	8	31	2.4	160	60	110	1100	250	2530	45	83	40	9	20	170
253.553-90221W	0.22	8	16	2.4	160	60	484	2200	660	3000	45	83	40	9	20	170
253.565-90421W	0.47	12	18	3.9	190	60	517	1100	1190	2530	50	124	40	16	20	290
253.585-90520W	0.68	16	14	4.6	190	60	544	800	1250	1840	60	124	40	16	20	460