

CERAMIC RF POWER CAPACITORS



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CERAMIC RF POWER CAPACITORS

High Voltage Ceramic Capacitors

Style	Capacitance Range (pF)	Tolerance (%)	Rated Voltage (kV _p)	Rated Power (kVA _r)	Rated Current (A _{rms})
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Watercooled power RF-Capacitors (external cooling)

TWX(F) 095162	100-2500	±20	14	1000-1500	150
TWX(F) 095187	1000	±20	14	1500	150
TWXF 135242	2500	±20	25	2500	250
TWX(F) 135242	3000	±20	20	2000	200
TWXF 135218	4000	±20	16	2500	250
TWX(F) 095220	5000	±20	12	1275	150
TWX(F) 110250	4700-5000	±20	14	2000	200
TWXF 135250	5000	±20	16	2830	250
TWXF 135285	5000	±20	20	3000	250
TWXF 135373	5000	±20	25	3200	250
TWXF 135272	6000	±20	16	2830	250
TWXF 165278	6000	±20	20	3000	270
TWXF 165270	7500	±20	14	3000	300
TWXF 125300	7600	±20	14	2500	250
TWXF 165270	7600	±20	16	2830	250
TWXF 125420	7600	±20	18	2500	250
TWXF 165336	7600	±20	20	3200	270
TWXF 165336	7500	±20	22.5	4000	350
TWXF 125300	10000	±20	10	2000	280
TWXF 125405	10000	±20	14	2800	290
TWXF 165335	10000	±20	16	3395	300
TWXF 165420	10000	±20	18	2500	250



Watercooled power RF-capacitors (internal cooling)

TWXFZ 106266	4000	±10	20	3540	250
TWXFZ 106266	5000	±10	16	2830	250
TWXFZ 140316	7500	±10	22,5	4000	350
TWXFZ 140266	10000	±10	14	3000	350
TWXFZ 140376	10000	±10	20	4000	350
TWIF 085215	1000	±20	14	1500	200
TWIF 085175	2200	±20	14	1000	200
TWIF 085260	4700	±20	14	1500	200



Ring-styled high voltage capacitors

HR 22	750-3000	±20	2,8	—	—
HR 30	1500-5000	—	2,8-3,5	—	—
HR 35	5000	-20+50	2,0	—	—



Capacitor stacks for voltage multiplier circuits

GDMQ 08..	3x125, 6x125	-20+40	8kVp per single disc
GDMQ 08..	4x250, 6x250	-20+40	8kVp per single disc
GDMQ 0706	6x250	-20+40	8kVp per single disc
GDMQ 1005	5x500	-20+40	8kVp per single disc
GDMQ 1406	6x500	-20+40	8kVp per single disc
GFMQ 12..	8x500, 12x500	±20	8kVp per single disc
GFWQ 12..	10x500, 12x500	±20	8kVp per single disc
GFMM 2505	5x1300	-10+60	19kVp per single disc
GFMM 25..	5x2200, 7x2200	-10+50	11kVp per single disc



High voltage capacitors with threaded terminals

HPC, HPD	350-5000	±20	20kV _{DC} or 15kV _{rms} up to 120Hz
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Ceramic singlelayer disc capacitors with wire leads for higher voltages

SDPU 26	1000-5000	-20+50	8,0kV _{DC} - 19kV _{DC}
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Other styles are available on request



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Tubular capacitors with flat rim					
R. 012085	3.0-100	±5,±10,±20	2.0	0.7-0.8	4.0
R. 012020	10-400	±5,±10,±20	2.0	1.4-1.7	4.0
R. 016040	25-1000	±5,±10,±20	3.0	3.5-4.2	5.0
R. 016070	50-1600	±5,±10,±20	3.0	5.6-7.0	5.0
R. 020080	60-2000	±5,±10,±20	4.0	8.0-10.5	6.0
Tubular capacitors with contoured rims					
RD 030100	100-1500	±5,±10,±20	7.0-8.0	30	30
RD 045120	200-4700	±5,±10,±20	10-11	60	50
Pot capacitors					
T. 020030	10-400	±5,±10,±20	6.0-8.0	3.5-4.2	6.0
T. 020050	20-600	±5,±10,±20	7.0-8.0	5.6-7.0	6.0
T. 020080	40-1200	±5,±10,±20	7.0-8.0	8.5-10.5	7.0
T. 030090	50-1600	±5,±10,±20	9.0-10	14-18	9.0
T. 045090	60-2500	±5,±10,±20	9.0-10	22-28	12
T. 045120	50-1600	±5,±10,±20	10-13	28-35	10
T. 045150	60-5000	±5,±10,±20	11-14	35-42	12
T. 050120	1000-4000	±5,±10,±20	6.0-12	60	20
T. 050200	2000-6000	±5,±10,±20	6.0-12	70	20
T. 085120	100-4000	±5,±10,±20	10-15	56-70	15
Pot capacitors with R 16 High Q ceramic					
TDZ 045124	100	±10	18	up to 500	65
TDZ 045124	150	±10	18	up to 500	115
TDZ 050124	200	±10	18	up to 500	150
TDZ 050124	250	±10	18	up to 500	150
TDFZ 125213	500-1000	±10	18	2540 max.	200 max.
TDFZ 125236	500-1000	±10	18	2540 max.	200 max.
TDFZ 125260	1500-2000	±10	12	2450 max.	290 max.
Pot capacitors for coupling purposes					
TDZ 050170	10000	±20	15	12.5	20 max.
TDFZ 060197	10000	±20	20	20	30 max.
TDFZ 060215	15000	±20	15	30	40 max.
TDFZ 070265	10000	±20	20	40	40 max.
TDFZ 170229	2000	±10	40	120	100 max.
TDFZ 170311	3000	±10	32	230	120 max.
TDFZ 170311	4000	±10	32	230	170 max.
Multilayer ceramic power capacitors					
MPC 7520, 7530	20000	±10	0.657	54.3	117
MPC 7520, 7530	100000	±10	0.636	45.0	100
MPC 7520, 7530	100000	±10	1.0	45.0	150
MPC 7520, 7530	150000	±10	0.636	45.0	112
MPC 7520, 7530	220000	±10	0.636	65.0	170
MPC 7520, 7530	220000	±10	1.0	82.5	209
MPC 7520, 7530	330000	±10	0.636	100	250
MPC 7520, 7530	510000	±10	0.700	80.0	230
MPC 6862	1µF	±10	0.700	250	530

Other styles are available on request

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Plate capacitors with contoured rim - Class 1 ceramic & Class 2 ceramic

PS 20	5.6-270	±5,±10,±20	5.0	5.0-10	5
PS 30 (Class 1)	10-560	±5,±10,±20	5.0-7.5	8.0-30	10
PS 40	22-1000	±5,±10,±20	5.0	12-20	15
PS 55	22-2000	±5,±10,±20	5.0	15-55	18
PS 20	1000-1500	-20+40	3.5	0.25	5 max.
PS 30 (Class 2)	2200-3300	-20+40	3.5	0.5	10 max.
PS 40	4700-6800	-20+40	3.5	1.0	15 max.
PS 55	10000-22000	-20+40	3.5-4.0	1.0	18 max.



Plate capacitors with contoured rim or flat rim and moisture protection

P. 70	25-800	±5,±10,±20	11-14	15-20	10-16
P. 100	50-1600	±5,±10,±20	11-15	30-40	15-35
P. 140	100-3000	±5,±10,±20	12-15	67.5-90	20-45
P. 200	160-6000	±5,±10,±20	12-15	112-150	25-60
FPP 145	1000-2500	±10,±20	10	125 max.	60 max.
FPE 200, 210	1000-1500	±10,±20	30	160 max.	90 max.
PEF 220	160-10000	±10,±20	12-20	110-140	60-100



Barrel capacitors

TOF 016010	1.5-50	±5,±10,±20	5.0	3.0-4.0	3.0-5.0
TOS 016010	1.5-50	±5,±10,±20	5.0	3.0-4.0	3.0-5.0
TOF 025016	2.0-100	±5,±10,±20	9.0	5.0-10	5.0-10
TOS 025016	2.0-100	±5,±10,±20	9.0	5.0-10	5.0-10
TOS 020016	10-2500	±10,±20	7.5KV _{DC}	—	—
TOS 030033	10-1500	±10,±20	15KV _{DC}	—	—
TOSZ 114096	1000	±20	40	40	30



Special barrel capacitors for dielectric heating equipment

TOSZ 080110	25	±10	30	up to 550	60
TOSZ 100110	50	±10	30	up to 800	100
TOSZ 118078	50-75	±10	30	up to 800	150
TOSZ 120055	160-250	±10	9.0	up to 862	135
TOSZ 118100	100	±10	30	up to 900	120
TOSW 118115	125	±10	13.5	1941	203



Feed-through capacitors

DBZ 34	1000-2500	-20+50	10	—	6.0 max.
DBZ 012058	200	-10+20	7.5	5.0	4.0
DGZ 020036	1000	±20	5.0	5.0	5.0
D. 016...	200-2500	±5,±10,±20	3.0-4.0	4.0-7.5	5.0
D. 030...	100-2500	±5,±10,±20	7.0-12	16-80	8.0-30
D. 045...	400-4700	±5,±10,±20	8.0-16	25-60	10-50
DB 050...	1500-3000	10,±20	15-20	70-200	50-75
DBF 050180	1000-2000	10,±20	30	70	87
DS 055100	1000	±5,±10,±20	12	60	30



Feed-through capacitors with R 16 High Q ceramic

DB 055135	100	±10,±20	20	900 max.	150
DBZ055135	100	±10	20	900 max.	150
DBF050166	125	±10	25	550 max.	120