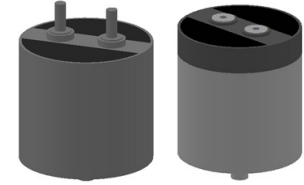


www.oneontatechnologies.com

Replace Screw Electrolytic or Oil-filled Power Capacitor On DC-Link

❖ General Description



Standard Reference	IEC 61071
Climatic Category	40 / 85 / 56
Max . Altitude	2000 m
Dielectric Material	Self-Healing Metallized Polypropylene
Case Type	Aluminum Case, Resin filled, UL94V-0, PVC Tube on request
Terminals Type	Male or Female screw terminals
Capacitance Range	Cn: 5µF ~ 5000µF
Capacitance Tolerance	J (±5%), K(±10%)
Dielectric Dissipation Factor	Dielectric Dissipation Factor (tg δ): 0.0002 (1kHz , 20°C)
Insulation Resistance	IR × Cn : ≥ 10000s (100Vdc, 60s, 20°C)
Rated Voltage	Un : 300VDC ~ 5000VDC
Test voltage U _{TT}	U _{TT} : 1.5Un (10s , 20°C) –Test voltage between both terminals
Test voltage U _{TC}	U _{TC} : 4000Vac (10s , 20°C) –Test voltage between terminals with case
	1.1 × Un : 30% of on-load duration
	1.15 × Un : 30 min/day
Maximum Over Voltage	1.2 × Un : 5 min/day
	1.3 × Un : 1 min/day
	1.5 × Un : 30 ms/time, 1000 times during the life of the capacitor
Operating Temperature	-40°C ~ +85°C; Θ _{hs} ≤ 85°C, 1.0Un
Storage Temperature	-40°C ~ +85°C
Lifetime Expectancy	100,000 hours (1.0Un , Θ _{hs} ≤ 70°C)
Max. Torque of terminals	M6 Female screw: 5 Nm , M8 Male screw: 6.5 Nm
Max. Torque of installation	M12 / M16 Stud mounting : 10 Nm
Failure Rate Expectancy	≤ 100 FIT (1.0Un , Θ _{hs} ≤ 70°C)
Installation	Any Position
Applications	Wind/Solar Inverter , SVG , APF, High frequency power supply
Remarks	RoHs Compliant on request. Add "R" to p/n. *Other capacitance, voltage and dimensions are available on request

❖ Part Number System

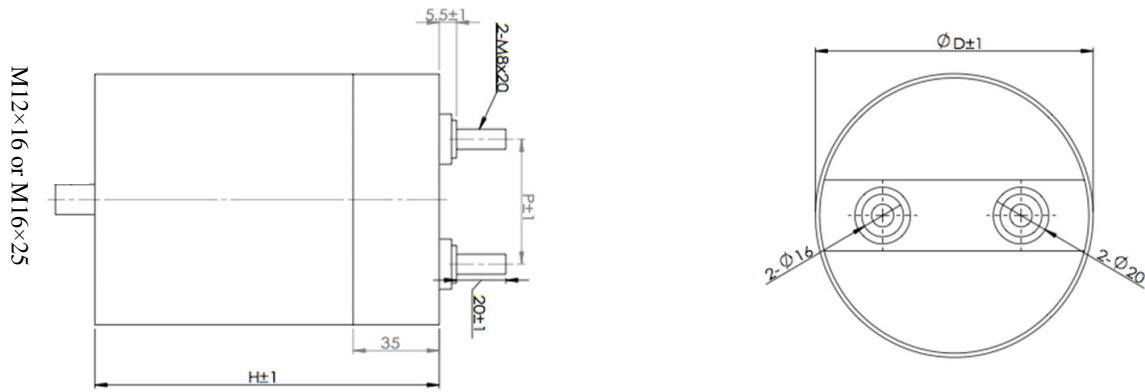
USM33-657K800B145SPA

USM33	-	657	K	800	#	145	#	#
⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮
Series		Capacitance	Tolerance	Voltage	Terminal Style	H	Mounting	PA
		107=100.0µF	J=±5%	Un	A= M8 Male	Height	C=Clamping	Plastic + AL.
		108=1000.0µF	K=±10%	VDC	B=M6 Female		S= M12/M16	

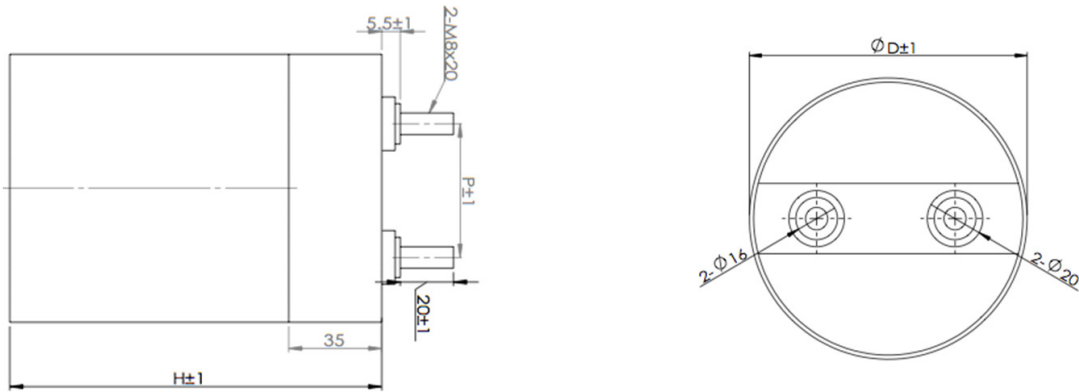
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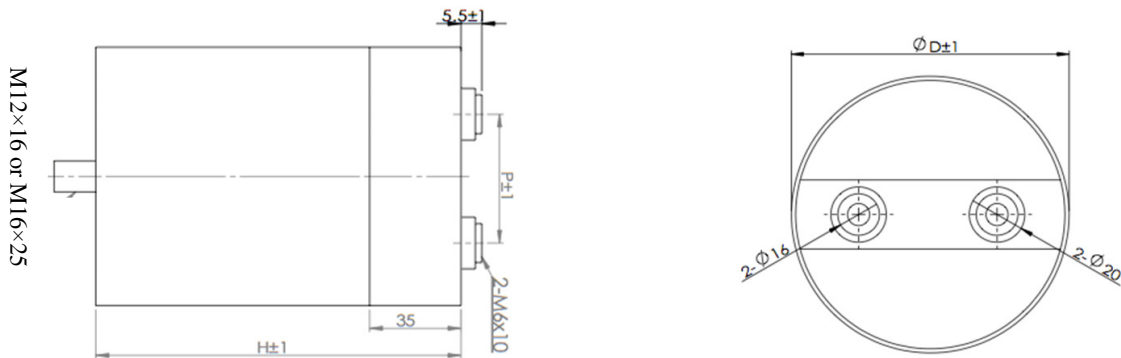
Terminal Style A : M8 Male Screw; Mounting Style S: M12 ×16 or M16 ×25(ΦD=126,136)



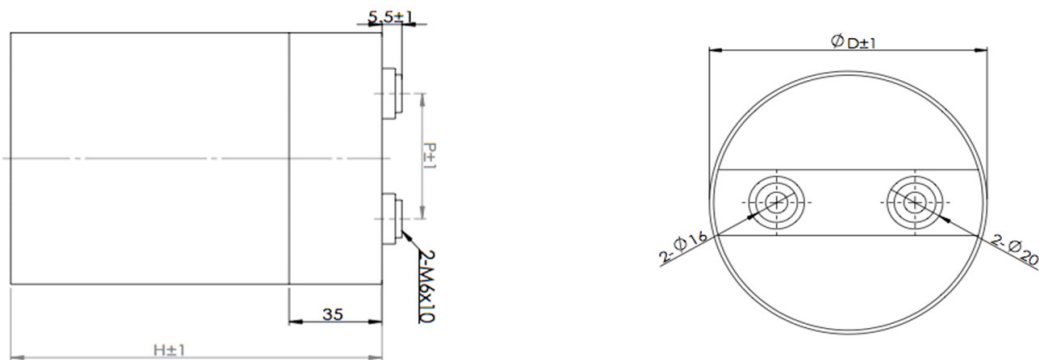
Terminal Style A : M8 Male Screw; Mounting Style C: Clamping



Terminal Style B : M6 Female Screw; Mounting Style S: M12 ×16 or M16 ×25(ΦD=126,136)



Terminal Style B : M6 Female Screw; Mounting Style C: Clamping



❖ **Electrical Characteristics***USM33 Series*www.oneontatechnologies.com

Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 600VDC, U _{TT} : 900VDC											
USM33-427K600#75#PA	420	600	3000	50	2.0	60 A	5	2100	86	75	32
USM33-507K600#85#PA	500	600	3000	60	2.2	58 A	4	2000	86	85	32
USM33-657K600#95#PA	650	600	3000	65	2.5	55 A	3.5	2275	86	95	32
USM33-857K600#125#PA	850	600	3000	50	1.2	70 A	5	4250	86	125	32
USM33-108K600#145#PA	1000	600	3000	60	1.5	68 A	4	4000	86	145	32
USM33-138K600#175#PA	1300	600	3000	65	1.8	65 A	3.5	4550	86	175	32
USM33-158K600#225#PA	1500	600	3000	70	1.2	90 A	4	6000	86	225	32
USM33-208K600#270#PA	2000	600	3000	80	1.0	90 A	3.5	7000	86	270	32
USM33-557K600#75#PA	550	600	3000	50	1.7	65 A	5	2750	96	75	45
USM33-657K600#85#PA	650	600	3000	60	1.8	62 A	4	2600	96	85	45
USM33-857K600#95#PA	850	600	3000	65	2.2	60 A	3.5	2975	96	95	45
USM33-118K600#125#PA	1100	600	3000	50	1.0	75 A	5	5500	96	125	45
USM33-138K600#145#PA	1300	600	3000	60	1.2	72 A	4	5200	96	145	45
USM33-178K600#175#PA	1700	600	3000	65	1.5	70 A	3.5	5950	96	175	45
USM33-208K600#225#PA	2000	600	3000	70	1.0	100 A	4	8000	96	225	45
USM33-258K600#270#PA	2500	600	3000	80	0.9	100 A	3.5	8750	96	270	45
USM33-837K600#75#PA	830	600	3000	50	1.5	70 A	5	4150	116	75	50
USM33-108K600#85#PA	1000	600	3000	60	1.8	68 A	4	4000	116	85	50
USM33-138K600#95#PA	1300	600	3000	65	2.0	65 A	3.5	4550	116	95	50
USM33-168K600#125#PA	1600	600	3000	50	0.8	80 A	5	8000	116	125	50
USM33-208K600#145#PA	2000	600	3000	60	0.9	76 A	4	8000	116	145	50
USM33-258K600#175#PA	2500	600	3000	65	1.0	72 A	3.5	8750	116	175	50
USM33-308K600#225#PA	3000	600	3000	70	0.7	120 A	4	12000	116	225	50
USM33-388K600#270#PA	3800	600	3000	80	0.8	110 A	3.5	13300	116	270	50
Un : 800VDC, U _{TT} : 1200VDC											
USM33-277K800#75#PA	270	800	3000	50	1.8	58 A	8	2160	86	75	32
USM33-327K800#85#PA	320	800	3000	60	2.0	55 A	7	2240	86	85	32
USM33-427K800#95#PA	420	800	3000	65	2.5	52 A	6	2520	86	95	32
USM33-477K800#120#PA	470	800	3000	45	0.9	68 A	8	3760	86	120	32
USM33-557K800#125#PA	550	800	3000	50	1.0	65 A	8	4400	86	125	32
USM33-657K800#145#PA	650	800	3000	60	1.1	65 A	7	4550	86	145	32
USM33-857K800#175#PA	850	800	3000	65	1.3	62 A	6	5100	86	175	32
USM33-108K800#225#PA	1000	800	3000	70	0.8	100 A	7	7000	86	225	32
USM33-128K800#270#PA	1200	800	3000	80	0.9	100 A	6	7200	86	270	32

❖ **Electrical Characteristics***USM33 Series*www.oneontatechnologies.com

Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 800VDC, U _{TT} : 1200VDC											
USM33-357K800#75#PA	350	800	3000	50	1.5	60 A	8	2800	96	75	45
USM33-427K800#85#PA	420	800	3000	60	1.8	58 A	7	2940	96	85	45
USM33-537K800#95#PA	530	800	3000	65	2.0	55 A	6	3180	96	95	45
USM33-707K800#125#PA	700	800	3000	50	0.9	75 A	8	5600	96	125	45
USM33-857K800#145#PA	850	800	3000	60	1.0	70 A	7	5950	96	145	45
USM33-108K800#175#PA	1000	800	3000	65	1.1	68 A	6	6000	96	175	45
USM33-128K800#225#PA	1200	800	3000	70	0.7	100 A	7	8400	96	225	45
USM33-168K800#270#PA	1600	800	3000	80	0.8	95 A	6	9600	96	270	45
USM33-527K800#75#PA	520	800	3000	50	1.2	70 A	8	4160	116	75	50
USM33-657K800#85#PA	650	800	3000	60	1.5	76 A	7	4550	116	85	50
USM33-807K800#95#PA	800	800	3000	65	1.6	72 A	6	4800	116	95	50
USM33-108K800#125#PA	1000	800	3000	50	0.6	90 A	8	8000	116	125	50
USM33-128K800#145#PA	1200	800	3000	60	0.7	85 A	7	8400	116	145	50
USM33-168K800#175#PA	1600	800	3000	65	0.8	80 A	6	9600	116	175	50
USM33-198K800#225#PA	1900	800	3000	70	0.6	100 A	7	13300	116	225	50
USM33-248K800#270#PA	2400	800	3000	80	0.7	100 A	6	14400	116	270	50
USM33-757K800#75#PA	750	800	3000	50	1.0	78 A	8	6000	136	75	50
USM33-907K800#85#PA	900	800	3000	60	1.1	75 A	7	6300	136	85	50
USM33-118K800#95#PA	1100	800	3000	65	1.3	72 A	6	6600	136	95	50
USM33-158K800#125#PA	1500	800	3000	50	0.6	90 A	8	12000	136	125	50
USM33-188K800#145#PA	1800	800	3000	60	0.7	90 A	7	12600	136	145	50
USM33-238K800#175#PA	2300	800	3000	65	0.8	90 A	6	13800	136	175	50
USM33-278K800#225#PA	2700	800	3000	70	0.5	120 A	7	18900	136	225	50
USM33-348K800#270#PA	3400	800	3000	80	0.6	110 A	6	20400	136	270	50
Un : 1100VDC, U _{TT} : 1650VDC											
USM33-167K1100#75#PA	160	1100	4000	50	3.0	50 A	12	1920	86	75	32
USM33-227K1100#85#PA	220	1100	4000	60	3.5	48 A	10	2200	86	85	32
USM33-257K1100#95#PA	250	1100	4000	65	4.2	45 A	8	2000	86	95	32
USM33-357K1100#125#PA	350	1100	4000	50	1.6	65 A	12	4200	86	125	32
USM33-427K1100#136#PA	420	1100	4000	55	1.5	75 A	11	4620	86	136	32
USM33-407K1100#145#PA	400	1100	4000	60	1.8	70 A	10	4000	86	145	32
USM33-427K1100#155#PA	420	1100	4000	60	1.6	72 A	10	4200	86	155	32
USM33-507K1100#175#PA	500	1100	4000	65	2.0	68 A	8	4000	86	175	32
USM33-607K1100#225#PA	600	1100	4000	80	1.2	90 A	10	6000	86	225	32
USM33-757K1100#270#PA	750	1100	4000	80	1.5	85 A	8	6000	86	270	32

❖ **Electrical Characteristics****USM33 Series**www.oneontatechnologies.com

Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 1100VDC, UTT : 1650VDC											
USM33-227K1100#75#PA	220	1100	4000	50	2.5	55 A	12	2640	96	75	45
USM33-267K1100#85#PA	260	1100	4000	60	3.0	52 A	10	2600	96	85	45
USM33-357K1100#95#PA	350	1100	4000	65	3.5	50 A	8	2800	96	95	45
USM33-427K1100#125#PA	420	1100	4000	50	1.5	70 A	12	5040	96	125	45
USM33-527K1100#145#PA	520	1100	4000	60	1.6	68 A	10	5200	96	145	45
USM33-657K1100#175#PA	650	1100	4000	65	1.8	65 A	8	5200	96	175	45
USM33-807K1100#225#PA	800	1100	4000	70	1.0	100 A	10	8000	96	225	45
USM33-108K1100#270#PA	1000	1100	4000	80	1.2	95 A	8	8000	96	270	45
USM33-337K1100#75#PA	330	1100	4000	50	1.8	60 A	12	3960	116	75	50
USM33-407K1100#85#PA	400	1100	4000	60	2.0	58 A	10	4000	116	85	50
USM33-507K1100#95#PA	500	1100	4000	65	2.5	55 A	8	4000	116	95	50
USM33-657K1100#125#PA	650	1100	4000	50	1.0	80 A	12	7800	116	125	50
USM33-807K1100#145#PA	800	1100	4000	60	1.2	75 A	10	8000	116	145	50
USM33-108K1100#175#PA	1000	1100	4000	65	1.5	70 A	8	8000	116	175	50
USM33-128K1100#225#PA	1200	1100	4000	70	0.7	110 A	10	12000	116	225	50
USM33-158K1100#270#PA	1500	1100	4000	80	0.8	100 A	8	12000	116	270	50
USM33-457K1100#75#PA	450	1100	4000	50	1.5	70 A	12	5400	136	75	50
USM33-557K1100#85#PA	550	1100	4000	60	1.8	68 A	10	5500	136	85	50
USM33-727K1100#95#PA	720	1100	4000	65	2.0	65 A	8	5760	136	95	50
USM33-927K1100#125#PA	920	1100	4000	50	0.8	90 A	12	11040	136	125	50
USM33-118K1100#145#PA	1100	1100	4000	60	0.9	85 A	10	11000	136	145	50
USM33-148K1100#175#PA	1400	1100	4000	65	1.0	80 A	8	11200	136	175	50
USM33-178K1100#225#PA	1700	1100	4000	70	0.7	120 A	10	17000	136	225	50
USM33-228K1100#270#PA	2200	1100	4000	80	0.8	110 A	8	17600	136	270	50
Un : 1200VDC, UTT : 1800VDC											
USM33-127K1200#75#PA	120	1200	4000	50	2.3	45 A	14	1680	86	75	32
USM33-157K1200#85#PA	150	1200	4000	60	2.6	42 A	12	1800	86	85	32
USM33-187K1200#95#PA	180	1200	4000	65	3.2	40 A	10	1800	86	95	32
USM33-227K1200#125#PA	220	1200	4000	50	1.2	55 A	14	3080	86	125	32
USM33-277K1200#145#PA	270	1200	4000	60	1.5	52 A	12	3240	86	145	32
USM33-357K1200#175#PA	350	1200	4000	65	1.6	50 A	10	3500	86	175	32
USM33-427K1200#225#PA	420	1200	4000	60	1.0	80 A	12	5040	86	225	32
USM33-477K1200#225#PA	470	1200	4000	80	2.0	65 A	8	3760	86	225	32
USM33-527K1200#270#PA	520	1200	4000	80	1.2	75 A	10	5200	86	270	32

❖ **Electrical Characteristics***USM33 Series*www.oneontatechnologies.com

Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 1200VDC, UTT : 1800VDC											
USM33-157K1200#75#PA	150	1200	4000	50	1.9	50 A	14	2100	96	75	45
USM33-187K1200#85#PA	180	1200	4000	60	2.2	48 A	12	2160	96	85	45
USM33-227K1200#95#PA	220	1200	4000	65	2.6	45 A	10	2200	96	95	45
USM33-307K1200#125#PA	300	1200	4000	50	1.0	60 A	14	4200	96	125	45
USM33-357K1200#145#PA	350	1200	4000	60	1.2	58 A	12	4200	96	145	45
USM33-457K1200#175#PA	450	1200	4000	65	1.8	55 A	10	4500	96	175	45
USM33-557K1200#225#PA	550	1200	4000	70	0.9	80 A	12	6600	96	225	45
USM33-707K1200#270#PA	700	1200	4000	80	1.0	78 A	10	7000	96	270	45
USM33-227K1200#75#PA	220	1200	4000	50	1.5	60 A	14	3080	116	75	50
USM33-277K1200#85#PA	270	1200	4000	60	1.7	58 A	12	3240	116	85	50
USM33-357K1200#95#PA	350	1200	4000	65	1.9	55 A	10	3500	116	95	50
USM33-457K1200#125#PA	450	1200	4000	50	0.8	75 A	14	6300	116	125	50
USM33-557K1200#145#PA	550	1200	4000	60	0.9	73 A	12	6600	116	145	50
USM33-707K1200#175#PA	700	1200	4000	65	1.0	72 A	10	7000	116	175	50
USM33-807K1200#225#PA	800	1200	4000	70	0.7	100 A	12	9600	116	225	50
USM33-108K1200#270#PA	1000	1200	4000	80	0.8	100 A	10	10000	116	270	50
USM33-307K1200#75#PA	300	1200	4000	50	1.2	70 A	14	4200	136	75	50
USM33-407K1200#85#PA	400	1200	4000	60	1.4	68 A	12	4800	136	85	50
USM33-507K1200#95#PA	500	1200	4000	65	1.6	65 A	10	5000	136	95	50
USM33-657K1200#125#PA	650	1200	4000	50	0.7	85 A	14	9100	136	125	50
USM33-807K1200#145#PA	800	1200	4000	60	0.8	82 A	12	9600	136	145	50
USM33-108K1200#175#PA	1000	1200	4000	65	0.9	80 A	10	10000	136	175	50
USM33-128K1200#225#PA	1200	1200	4000	70	0.5	110 A	12	14400	136	225	50
USM33-158K1200#270#PA	1500	1200	4000	80	0.6	100 A	10	15000	136	270	50
Un : 1600VDC, UTT : 2400VDC											
USM33-606K1600#75#PA	60	1600	4000	50	2.8	40 A	18	1080	86	75	32
USM33-756K1600#85#PA	75	1600	4000	60	3.3	38 A	16	1200	86	85	32
USM33-107K1600#95#PA	100	1600	4000	65	4.0	35 A	14	1400	86	95	32
USM33-127K1600#125#PA	120	1600	4000	50	1.5	55 A	18	2160	86	125	32
USM33-157K1600#145#PA	150	1600	4000	60	1.7	52 A	16	2400	86	145	32
USM33-207K1600#175#PA	200	1600	4000	65	2.0	50 A	14	2800	86	175	32
USM33-237K1600#225#PA	230	1600	4000	70	1.3	75 A	16	3680	86	225	32
USM33-307K1600#270#PA	300	1600	4000	80	1.5	72 A	14	4200	86	270	32

❖ **Electrical Characteristics***USM33 Series*www.oneontatechnologies.com

Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 1600VDC, UTT : 2400VDC											
USM33-806K1600#75#PA	80	1600	4000	50	2.4	45 A	18	1440	96	75	45
USM33-107K1600#85#PA	100	1600	4000	60	2.8	42 A	16	1600	96	85	45
USM33-127K1600#95#PA	120	1600	4000	65	3.3	40 A	14	1680	96	95	45
USM33-167K1600#125#PA	160	1600	4000	50	1.2	58 A	18	2880	96	125	45
USM33-207K1600#145#PA	200	1600	4000	60	1.5	55 A	16	3200	96	145	45
USM33-257K1600#175#PA	250	1600	4000	65	1.8	52 A	14	3500	96	175	45
USM33-307K1600#225#PA	300	1600	4000	70	1.0	80 A	16	4800	96	225	45
USM33-387K1600#270#PA	380	1600	4000	80	1.2	78 A	14	5320	96	270	45
USM33-127K1600#75#PA	120	1600	4000	50	1.8	55 A	18	2160	116	75	50
USM33-157K1600#85#PA	150	1600	4000	60	2.0	52 A	16	2400	116	85	50
USM33-207K1600#95#PA	200	1600	4000	65	2.5	50 A	14	2800	116	95	50
USM33-257K1600#125#PA	250	1600	4000	50	0.9	65 A	18	4500	116	125	50
USM33-307K1600#145#PA	300	1600	4000	60	1.0	62 A	16	4800	116	145	50
USM33-387K1600#175#PA	380	1600	4000	65	1.3	60 A	14	5320	116	175	50
USM33-457K1600#225#PA	450	1600	4000	70	0.8	88 A	16	7200	116	225	50
USM33-587K1600#270#PA	580	1600	4000	80	0.9	85 A	14	8120	116	270	50
USM33-187K1600#75#PA	180	1600	4000	50	1.4	60 A	18	3240	136	75	50
USM33-217K1600#85#PA	210	1600	4000	60	1.6	58 A	16	3360	136	85	50
USM33-277K1600#95#PA	270	1600	4000	65	2.0	55 A	14	3780	136	95	50
USM33-357K1600#125#PA	350	1600	4000	50	0.8	80 A	18	6300	136	125	50
USM33-427K1600#145#PA	420	1600	4000	60	0.9	78 A	16	6720	136	145	50
USM33-557K1600#175#PA	550	1600	4000	65	1.0	75 A	14	7700	136	175	50
USM33-657K1600#225#PA	650	1600	4000	70	0.6	100 A	16	10400	136	225	50
USM33-827K1600#270#PA	820	1600	4000	80	0.7	100 A	14	11480	136	270	50
Un : 2000VDC, UTT : 3000VDC											
USM33-406K2000#75#PA	40	2000	4000	50	3.5	38 A	22	880	86	75	32
USM33-506K2000#85#PA	50	2000	4000	60	4.0	36 A	20	1000	86	85	32
USM33-606K2000#95#PA	60	2000	4000	65	4.8	35 A	18	1080	86	95	32
USM33-806K2000#125#PA	80	2000	4000	50	1.8	50 A	22	1760	86	125	32
USM33-107K2000#145#PA	100	2000	4000	60	2.2	48 A	20	2000	86	145	32
USM33-127K2000#175#PA	120	2000	4000	65	2.5	45 A	18	2160	86	175	32
USM33-157K2000#225#PA	150	2000	4000	70	1.5	70 A	20	3000	86	225	32
USM33-177K2000#225#PA	170	2000	4000	80	3.5	50 A	16	2720	86	225	32
USM33-187K2000#270#PA	180	2000	4000	80	1.8	68 A	18	3240	86	270	32

❖ **Electrical Characteristics***USM33 Series*www.oneontatechnologies.com

Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 2000VDC, UTT : 3000VDC											
USM33-506K2000#75#PA	50	2000	4000	50	2.8	45 A	22	1100	96	75	45
USM33-656K2000#85#PA	65	2000	4000	60	3.2	42 A	20	1300	96	85	45
USM33-806K2000#95#PA	80	2000	4000	65	4.0	40 A	18	1440	96	95	45
USM33-107K2000#125#PA	100	2000	4000	50	1.5	58 A	22	2200	96	125	45
USM33-127K2000#145#PA	120	2000	4000	60	1.7	55 A	20	2400	96	145	45
USM33-167K2000#175#PA	160	2000	4000	65	2.0	52 A	18	2880	96	175	45
USM33-197K2000#225#PA	190	2000	4000	70	1.2	75 A	20	3800	96	225	45
USM33-257K2000#270#PA	250	2000	4000	80	1.4	72 A	18	4500	96	270	45
USM33-806K2000#75#PA	80	2000	4000	50	2.0	55 A	22	1760	116	75	50
USM33-956K2000#85#PA	95	2000	4000	60	2.3	52 A	20	1900	116	85	50
USM33-127K2000#95#PA	120	2000	4000	65	2.8	50 A	18	2160	116	95	50
USM33-167K2000#125#PA	160	2000	4000	50	1.2	65 A	22	3520	116	125	50
USM33-207K2000#125#PA	200	2000	4000	50	1.5	62 A	22	4400	116	125	50
USM33-197K2000#145#PA	190	2000	4000	60	1.3	64 A	20	3800	116	145	50
USM33-257K2000#175#PA	250	2000	4000	65	1.9	62 A	18	4500	116	175	50
USM33-307K2000#175#PA	300	2000	4000	65	2.3	60 A	18	5400	116	175	50
USM33-297K2000#225#PA	290	2000	4000	70	1.0	90 A	20	5800	116	225	50
USM33-367K2000#270#PA	360	2000	4000	80	1.2	85 A	18	6480	116	270	50
USM33-117K2000#75#PA	110	2000	4000	50	1.6	60 A	22	2420	136	75	50
USM33-147K2000#85#PA	140	2000	4000	60	1.8	62 A	20	2800	136	85	50
USM33-187K2000#95#PA	180	2000	4000	65	2.2	60 A	18	3240	136	95	50
USM33-227K2000#125#PA	220	2000	4000	50	0.9	75 A	22	4840	136	125	50
USM33-277K2000#145#PA	270	2000	4000	60	1.0	72 A	20	5400	136	145	50
USM33-357K2000#175#PA	350	2000	4000	65	1.2	70 A	18	6300	136	175	50
USM33-407K2000#225#PA	400	2000	4000	70	0.7	100 A	20	8000	136	225	50
USM33-527K2000#270#PA	520	2000	4000	80	0.8	100 A	18	9360	136	270	50
Un : 2400VDC, UTT : 3600VDC											
USM33-556K2400#125#PA	55	2400	4500	50	2.3	45 A	14	770	86	125	32
USM33-706K2400#145#PA	70	2400	4500	60	2.6	42 A	12	840	86	145	32
USM33-906K2400#175#PA	90	2400	4500	65	3.2	40 A	10	900	86	175	32
USM33-127K2400#225#PA	120	2400	4500	80	4.0	38 A	8	960	86	225	32
USM33-726K2400#125#PA	72	2400	4500	50	2.0	55 A	14	1008	96	125	45
USM33-886K2400#145#PA	88	2400	4500	60	2.2	54 A	12	1056	96	145	45
USM33-117K2400#175#PA	110	2400	4500	65	2.6	52 A	10	1100	96	175	45
USM33-157K2400#225#PA	150	2400	4500	80	3.3	50 A	8	1200	96	225	45

❖ **Electrical Characteristics***USM33 Series*www.oneontatechnologies.com

Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 2400VDC, UTT : 3600VDC											
USM33-117K2400#125#PA	110	2400	4500	50	1.5	62 A	14	1540	116	125	50
USM33-147K2400#145#PA	140	2400	4500	60	1.7	60 A	12	1680	116	145	50
USM33-177K2400#175#PA	170	2400	4500	65	2.0	58 A	10	1700	116	175	50
USM33-237K2400#225#PA	230	2400	4500	80	2.4	55 A	8	1840	116	225	50
USM33-167K2400#125#PA	160	2400	4500	50	1.2	75 A	14	2240	136	125	50
USM33-197K2400#145#PA	190	2400	4500	60	1.4	72 A	12	2280	136	145	50
USM33-257K2400#175#PA	250	2400	4500	65	1.6	70 A	10	2500	136	175	50
USM33-337K2400#225#PA	330	2400	4500	80	2.0	68 A	8	2640	136	225	50
Un : 2800VDC, UTT : 4200VDC											
USM33-406K2800#125#PA	40	2800	4800	50	2.6	42 A	16	640	86	125	32
USM33-506K2800#145#PA	50	2800	4800	60	3.0	40 A	14	700	86	145	32
USM33-656K2800#175#PA	65	2800	4800	65	3.6	38 A	12	780	86	175	32
USM33-856K2800#225#PA	85	2800	4800	80	4.7	35 A	10	850	86	225	32
USM33-526K2800#125#PA	52	2800	4800	50	2.1	52 A	16	832	96	125	45
USM33-656K2800#145#PA	65	2800	4800	60	2.5	50 A	14	910	96	145	45
USM33-826K2800#175#PA	82	2800	4800	65	3.0	48 A	12	984	96	175	45
USM33-117K2800#225#PA	110	2800	4800	80	3.8	46 A	10	1100	96	225	45
USM33-956K2800#125#PA	95	2800	4800	50	1.5	60 A	16	1520	116	125	50
USM33-127K2800#145#PA	120	2800	4800	60	1.7	59 A	14	1680	116	145	50
USM33-157K2800#175#PA	150	2800	4800	65	1.9	58 A	12	1800	116	175	50
USM33-207K2800#225#PA	200	2800	4800	80	2.3	55 A	10	2000	116	225	50
USM33-117K2800#125#PA	110	2800	4800	50	1.3	73 A	16	1760	136	125	50
USM33-147K2800#145#PA	140	2800	4800	60	1.5	72 A	14	1960	136	145	50
USM33-187K2800#175#PA	180	2800	4800	65	1.8	70 A	12	2160	136	175	50
USM33-247K2800#225#PA	240	2800	4800	80	2.1	68 A	10	2400	136	225	50
Un : 3200VDC, UTT : 4800VDC											
USM33-306K3200#125#PA	30	3200	5000	50	2.8	40 A	18	540	86	125	32
USM33-386K3200#145#PA	38	3200	5000	60	3.3	38 A	16	608	86	145	32
USM33-486K3200#175#PA	48	3200	5000	65	4.0	36 A	14	672	86	175	32
USM33-656K3200#225#PA	65	3200	5000	80	5.3	33 A	12	780	86	225	32
USM33-406K3200#125#PA	40	3200	5000	50	2.4	50 A	18	720	96	125	45
USM33-506K3200#145#PA	50	3200	5000	60	2.8	48 A	16	800	96	145	45
USM33-626K3200#175#PA	62	3200	5000	65	3.4	46 A	14	868	96	175	45
USM33-856K3200#225#PA	85	3200	5000	80	4.2	43 A	12	1020	96	225	45

❖ **Electrical Characteristics**

USM33 Series

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Part Number	Cn	Un	UTC	ESL	ESR	Irms	dv/dt	I peak	Dimension (mm)		
	μF	Vdc	Vac	nH	mΩ	Max.	V/μs	Amps	ΦD	H	P
Un : 3200VDC, UTT : 4800VDC											
USM33-626K3200#125#PA	62	3200	5000	50	1.8	55 A	18	1116	116	125	50
USM33-756K3200#145#PA	75	3200	5000	60	2.0	53 A	16	1200	116	145	50
USM33-956K3200#175#PA	95	3200	5000	65	2.4	52 A	14	1330	116	175	50
USM33-137K3200#225#PA	130	3200	5000	80	3.0	50 A	12	1560	116	225	50
USM33-886K3200#125#PA	88	3200	5000	50	1.4	70 A	18	1584	136	125	50
USM33-117K3200#145#PA	110	3200	5000	60	1.6	68 A	16	1760	136	145	50
USM33-147K3200#175#PA	140	3200	5000	65	2.0	67 A	14	1960	136	175	50
USM33-187K3200#225#PA	180	3200	5000	80	2.4	65 A	12	2160	136	225	50
Un : 3600VDC, UTT : 5400VDC											
USM33-256K3600#125#PA	25	3600	5500	50	3.1	37 A	20	500	86	125	32
USM33-306K3600#145#PA	30	3600	5500	60	3.8	35 A	18	540	86	145	32
USM33-386K3600#175#PA	38	3600	5500	65	4.5	32 A	16	608	86	175	32
USM33-526K3600#225#PA	52	3600	5500	80	5.8	30 A	14	728	86	225	32
USM33-326K3600#125#PA	32	3600	5500	50	2.5	48 A	20	640	96	125	45
USM33-406K3600#145#PA	40	3600	5500	60	3.0	46 A	18	720	96	145	45
USM33-506K3600#175#PA	50	3600	5500	65	3.6	43 A	16	800	96	175	45
USM33-656K3600#225#PA	65	3600	5500	80	4.8	40 A	14	910	96	225	45
USM33-486K3600#125#PA	48	3600	5500	50	1.9	52 A	20	960	116	125	50
USM33-606K3600#145#PA	60	3600	5500	60	2.2	50 A	18	1080	116	145	50
USM33-756K3600#175#PA	75	3600	5500	65	2.6	48 A	16	1200	116	175	50
USM33-107K3600#225#PA	100	3600	5500	80	3.3	46 A	14	1400	116	225	50
USM33-706K3600#125#PA	70	3600	5500	50	1.5	68 A	20	1400	136	125	50
USM33-856K3600#145#PA	85	3600	5500	60	1.8	65 A	18	1530	136	145	50
USM33-107K3600#175#PA	100	3600	5500	65	2.0	62 A	16	1600	136	175	50
USM33-147K3600#225#PA	140	3600	5500	80	2.5	60 A	14	1960	136	225	50
Un : 4000VDC, UTT : 6000VDC											
USM33-306K4000#175#PA	30	4000	6000	65	5.0	30 A	20	600	86	175	32
USM33-426K4000#225#PA	42	4000	6000	80	6.5	28 A	18	756	86	225	32
USM33-406K4000#175#PA	40	4000	6000	65	4.0	35 A	20	800	96	175	45
USM33-556K4000#225#PA	55	4000	6000	80	5.1	32 A	18	990	96	225	45
USM33-606K4000#175#PA	60	4000	6000	65	2.8	55 A	20	1200	116	175	50
USM33-826K4000#225#PA	82	4000	6000	80	3.5	50 A	18	1476	116	225	50
USM33-706K4000#145#PA	70	4000	6000	60	1.8	65 A	22	1540	136	145	50
USM33-856K4000#175#PA	85	4000	6000	65	2.2	62 A	20	1700	136	175	50
USM33-127K4000#225#PA	120	4000	6000	80	2.8	60 A	18	2160	136	225	50

*Other capacitance , voltage and dimensions are available on request.

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