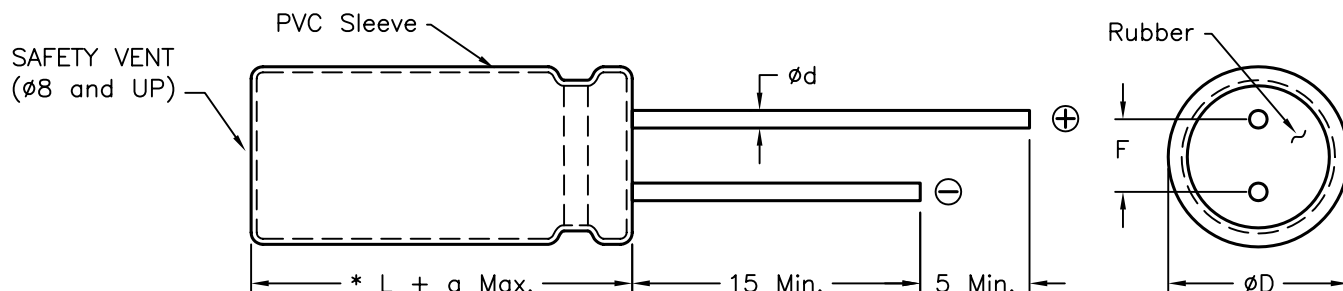


DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1881	A	RELEASED	EO	01/23/06	HO	1/23/06	JWM	01/23/06

FEATURES:

1. WIDE CV VALUE RANGE FOR GENERAL PURPOSE.
2. SAFETY VENT CONSTRUCTION.
3. 2000 HOURS AT 85°C.



$$* L \leq 16 \rightarrow a = 1$$

$$* L > 16 \rightarrow a = 2$$



RoHS

Compliant

Multicomp Mfr P/N#	Capacitance (µF)	Working Voltage (WVDC)	Max. Ripple Current mA (rms) @ 85°C, 120Hz	Case Size (mm)		F±0.5	ød ±0.02
				øD Max.	L		
MCGPR16V106M5X11-RH	10	16	45	5	11	2	0.5
MCGPR16V226M5X11-RH	22	16	60	5	11	2	0.5
MCGPR16V336M5X11-RH	33	16	85	5	11	2	0.5
MCGPR16V476M5X11-RH	47	16	100	5	11	2	0.5
MCGPR16V107M6.3X11-RH	100	16	170	6.3	11	2.5	0.5
MCGPR16V227M6.3X11-RH	220	16	280	6.3	11	2.5	0.5
MCGPR16V337M8X11-RH	330	16	360	8	11	3.5	0.6
MCGPR16V477M8X11-RH	470	16	460	8	11	3.5	0.6
MCGPR16V108M10X16-RH	1000	16	760	10	16	5	0.6
MCGPR16V228M13X21-RH	2200	16	1250	13	21	5	0.6
MCGPR16V478M16X26-RH	4700	16	1960	16	26	7.5	0.8
MCGPR25V106M5X11-RH	10	25	45	5	11	2	0.5
MCGPR25V226M5X11-RH	22	25	70	5	11	2	0.5
MCGPR25V476M5X11-RH	47	25	120	5	11	2	0.5
MCGPR25V107M6.3X11-RH	100	25	180	6.3	11	2.5	0.5
MCGPR25V227M8X11-RH	220	25	320	8	11	3.5	0.6
MCGPR25V477M10X16-RH	470	25	540	10	16	5	0.6
MCGPR25V108M10X21-RH	1000	25	900	10	21	5	0.6
MCGPR35V475M5X11-RH	4.7	35	35	5	11	2	0.5
MCGPR35V106M5X11-RH	10	35	50	5	11	2	0.5
MCGPR35V226M5X11-RH	22	35	80	5	11	2	0.5
MCGPR35V336M5X11-RH	33	35	105	5	11	2	0.5

SPC-F004.DWG

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:

EKLAS ODISH

DATE:

01/23/06

CHECKED BY:

HISHAM ODISH

DATE:

1/23/06

APPROVED BY:

JEFF MCVICKER

DATE:

01/23/06

DRAWING TITLE:

General-Purpose Capacitor, Radial Lead, Aluminum, Electrolytic, 85°C

SIZE

A

DWG. NO.

TA-685

ELECTRONIC FILE

TA-685.DWG

REV

A

SCALE: NTS

U.O.M.: Millimeters

SHEET: 1 OF 3

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Multicomp Mfr P/N#	Capacitance (μ F)	Working Voltage (WVDC)	Max. Ripple Current mA (rms) @ 85°C, 120Hz	Case Size (mm)		F $\pm$ 0.5	ϕ d $\pm$ 0.02
				ϕ D Max.	L		
MCGPR35V476M6.3X11-RH	47	35	135	6.3	11	2.5	0.5
MCGPR35V107M8X11-RH	100	35	220	8	11	3.5	0.6
MCGPR35V227M10X13-RH	220	35	380	10	13	5	0.6
MCGPR35V337M10X16-RH	330	35	480	10	16	5	0.6
MCGPR35V477M10X21-RH	470	35	620	10	21	5	0.6
MCGPR35V108M13X21-RH	1000	35	1040	13	21	5	0.6
MCGPR35V228M16X32-RH	2200	35	1700	16	32	7.5	0.8
MCGPR50V474M5X11-RH	0.47	50	8	5	11	2	0.5
MCGPR50V105M5X11-RH	1	50	13	5	11	2	0.5
MCGPR50V225M5X11-RH	2.2	50	21	5	11	2	0.5
MCGPR50V475M5X11-RH	4.7	50	40	5	11	2	0.5
MCGPR50V106M5X11-RH	10	50	60	5	11	2	0.5
MCGPR50V226M5X11-RH	22	50	90	5	11	2	0.5
MCGPR50V476M6.3X11-RH	47	50	150	6.3	11	2.5	0.5
MCGPR50V107M8X11-RH	100	50	250	8	11	3.5	0.6
MCGPR50V227M10X16-RH	220	50	430	10	16	5	0.6
MCGPR50V477M13X21-RH	470	50	750	13	21	5	0.6
MCGPR50V108M16X26-RH	1000	50	1260	16	26	7.5	0.8
MCGPR63V105M5X11-RH	1	63	16	5	11	2	0.5
MCGPR63V225M5X11-RH	2.2	63	27	5	11	2	0.5
MCGPR63V475M5X11-RH	4.7	63	40	5	11	2	0.5
MCGPR63V106M5X11-RH	10	63	65	5	11	2	0.5
MCGPR63V226M6.3X11-RH	22	63	110	6.3	11	2.5	0.5
MCGPR63V476M8X11-RH	47	63	180	8	11	3.5	0.6
MCGPR63V107M10X13-RH	100	63	280	10	13	5	0.6
MCGPR63V227M10X21-RH	220	63	490	10	21	5	0.6
MCGPR63V477M13X26-RH	470	63	880	13	26	5	0.6
MCGPR63V108M16X32-RH	1000	63	1400	16	32	7.5	0.8
MCGPR100V105M5X11-RH	1	100	16	5	11	2	0.5
MCGPR100V225M5X11-RH	2.2	100	27	5	11	2	0.5
MCGPR100V475M5X11-RH	4.7	100	45	5	11	2	0.5
MCGPR100V106M6.3X11-RH	10	100	75	6.3	11	2.5	0.5
MCGPR100V226M8X11-RH	22	100	130	8	11	3.5	0.6
MCGPR100V476M10X16-RH	47	100	230	10	16	5	0.6
MCGPR100V107M13X21-RH	100	100	380	13	21	5	0.6
MCGPR100V227M16X26-RH	220	100	220	16	26	7.5	0.8
MCGPR100V477M16X32-RH	470	100	1000	16	32	7.5	0.8

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SPC-F004.DWG

SIZE

A

DWG. NO.

TA-685

ELECTRONIC FILE

TA-685.DWG

REV

A

SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 3

CHARACTERISTICS:

ITEM	PERFORMANCE														
Operating Temperature Range	-40°C to 85°C								-25°C to 85°C						
Rated Working Voltage Range	6.3 - 100 VDC								160 - 450 VDC						
Nominal Capacitance Range	0.1 - 22000 µF								0.47 - 820 µF						
Capacitance Tolerance	±20% (at 20°C, 120 Hz)														
Leakage Current	I = 0.01CV or 3µA Max								I ≤ 0.03CV + 30µA Max.						
	whichever is greater after 3 minutes.														
	where I = Leakage Current in µA; C = Rated capacitance in µF; V = Working voltage in volts														
Dissipation Factor (Tan δ) (At +20°C, 120 Hz)	Working Voltage	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
	Tan δ Max.	0.22	0.2	0.17	0.15	0.12	0.1	0.09	0.08	0.2	0.2	0.18	0.2	0.2	0.2
	For capacitors whose capacitance exceeds 1,000µF, the specification of Tan δ is increased by 0.02 for every addition of 1,000µF.														
Ripple Current	Refer to standard products table (120 Hz, +85°). Correction factor for frequency.														
	Frequency (Hz)			50/60		120		1K		10K					
	Correction factor (multiplier)			0.7		1		1.3		1.7					
Low Temperature Characteristics (stability at 120 Hz)	For capacitance value > 1000 µF: Add 0.5 per 1000 µF for -25°C/+25°C. Add 1.0 per 1000 µF for -40°C/+20°C.														
	Working Voltage	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
	-25°C/+20°C	4	3	2	2	2	2	2	2	2	3	3	5	12	15
	-40°C/+20°C	8	6	4	4	3	3	3	3						
High Temperature Loading	After 2000 hrs application of DC rated working voltage at +85°C, the capacitor shall meet the following limits: Post test requirements at +20°C.														
	Leakage Current			≤ the initial specified value											
	Capacitance change			≤ ±20% of initial measured value											
	Dissipation Factor (Tan δ)			≤ 150% of initial specified value											
Shelf Life	After storage for 500 hours at 85°C with no voltage applied. Post test requirements at +20°C same limits for high temperature loading.														