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REVISIONS					DOC. NO. SPC-F004 * Effective: 12/21/98 * DCP No: 680				
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
721	B	REVISED LEAKAGE CURRENT	DJC	3/8/99	JC	3/9/99	JC	3/9/99	
1114	C	Updated Parts List	HYO	8/29/01	JC	8/29/01	JC	8/29/01	

FEATURES:

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

CHARACTERISTICS:

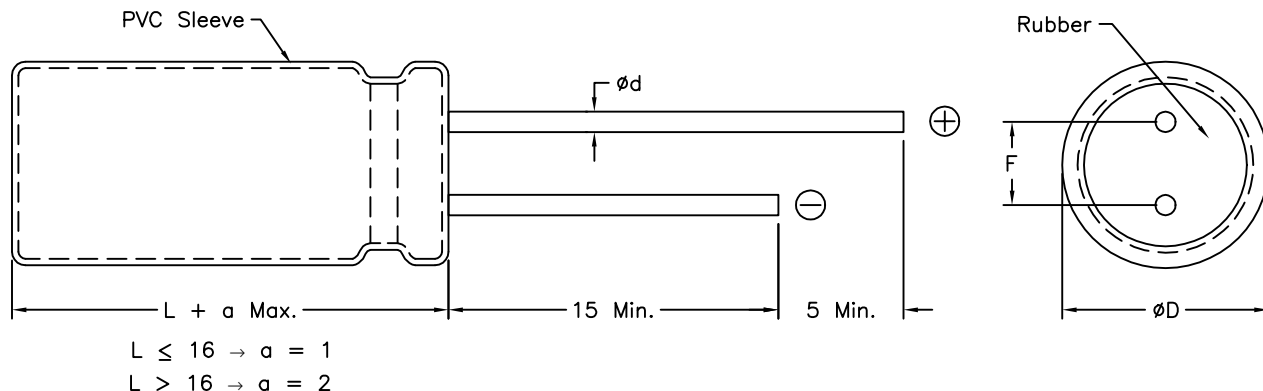
ITEM	PERFORMANCE														
Operating Temperature Range	-40°C to 85°C								-25°C to 85°C						
Rated Working Voltage Range	6.3 - 100 VDC								160 - 450 VDC						
Nominal Capacitance Range	0.1 - 22000 µF								0.47 - 820 µF						
Capacitance Tolerance	±20% (at 20°C, 120 Hz)														
Leakage Current	I = 0.01CV or 3µA, whichever is greater after 3 minutes.								I ≤ 0.03CV + 30µA Max.						
	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 1,000 µF, the specification of Tan δ is increased by 0.02 for every addition of 1,000 µF.														
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 (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 specified value											
	Dissipation Factor (Tan δ)			≤ 150% of initial specified value											
Shelf Life	After storage at 85°C for 1000 hours with no voltage applied. Post test requirements at 20°C same limits for high temperature loading.														

SPC-F004.DWG

DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:					
	DANIEL CAREY	8/4/98	GENERAL PURPOSE RADIAL CAPACITORS					
	CHECKED BY:	DATE:	SIZE	DWG. NO.		ELECTRONIC FILE		REV
	JOHN COLE	8/11/98	A	TA-136		TA-136.DWG		C
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: Millimeters		SHEET: 1 OF 3	
	JEFF MCVICKER	8/12/98						



Multicomp Type No.	Working Voltage (V)	Capacitance (μF)	Max. Ripple Current @ 85°C, 120 Hz	Case Size (mm)		Lead Spacing (F) ± 0.5	Lead Diameter (ϕd) ± 0.02
				ϕD	L		
MCR16V106M5X11	16	10	45	5	11	2	0.5
MCR16V226M5X11	16	22	60	5	11	2	0.5
MCR16V336M5X11	16	33	85	5	11	2	0.5
MCR16V476M5X11	16	47	100	5	11	2	0.5
MCR16V107M6.3X11	16	100	170	6.3	11	2.5	0.5
MCR16V227M6.3X11	16	220	280	6.3	11	2.5	0.5
MCR16V337M8X11	16	330	360	8	11	3.5	0.6
MCR16V477MX811	16	470	460	8	11	3.5	0.6
MCR16V108M10X16	16	1000	760	10	16	5	0.6
MCR16V228M13X21	16	2200	1250	13	21	5	0.6
MCR16V478M16X26	16	4700	1960	16	26	7.5	0.8
MCR25V106M5X11	25	10	45	5	11	2	0.5
MCR25V226M5X11	25	22	70	5	11	2	0.5
MCR25V476M5X11	25	47	120	5	11	2	0.5
MCR25V107M6.3X11	25	100	180	6.3	11	2.5	0.5
MCR25V227M8X11	25	220	320	8	11	3.5	0.6
MCR25V477M10X15	25	470	540	10	16	5	0.6
MCR25V108M10X21	25	1000	900	10	21	5	0.6
MCR35V475M5X11	35	4.7	35	5	11	2	0.5
MCR35V106M5X11	35	10	50	5	11	2	0.5
MCR35V226M5X11	35	22	80	5	11	2	0.5
MCR35V336M5X11	35	33	105	5	11	2	0.5
MCR35V476M6.3X11	35	47	135	6.3	11	2.5	0.5
MCR35V107M8X11	35	100	220	8	11	3.5	0.6
MCR35V227M10X13	35	220	380	10	13	5	0.6
MCR35V337M10X16	35	330	480	10	16	5	0.6
MCR35V477M10X21	35	470	620	10	21	5	0.6
MCR35V108M13X21	35	1000	1040	13	21	5	0.6
MCR35V228M16X32	35	2200	1700	16	32	7.5	0.8
MCR50V474M5X11	50	0.47	8	5	11	2	0.5
MCR50V105M5X11	50	1	13	5	11	2	0.5

SIZE DWG. NO.

A

TA-136

ELECTRONIC FILE

TA-136.DWG

REV

C

SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 3

Multicomp Type No.	Working Voltage (V)	Capacitance (μF)	Max. Ripple Current @ 85°C, 120 Hz	Case Size (mm)		Lead Sapcing (F) ± 0.5	Lead Diameter (Ød) ± 0.02
				Ø D	L		
MCR50V225M5X11	50	2.2	21	5	11	2	0.5
MCR50V475M5X11	50	4.7	40	5	11	2	0.5
MCR50V106M5X11	50	10	60	5	11	2	0.5
MCR50V226M5X11	50	22	90	5	11	2	0.5
MCR50V476M6.3X11	50	47	150	6.3	11	2.5	0.5
MCR50V107M8X11	50	100	250	8	11	3.5	0.6
MCR50V227M10X16	50	220	430	10	16	5	0.6
MCR50V477M13X21	50	470	750	13	21	5	0.6
MCR50V108M16X26	50	1000	1260	16	26	7.5	0.8
MCR63V105M5X11	63	1	16	5	11	2	0.5
MCR63V225M5X11	63	2.2	27	5	11	2	0.5
MCR63V475M5X11	63	4.7	40	5	11	2	0.5
MCR63V106M5X11	63	10	65	5	11	2	0.5
MCR63V226M6.3X11	63	22	110	6.3	11	2.5	0.5
MCR63V476M8X11	63	47	180	8	11	3.5	0.6
MCR63V107M10X13	63	100	280	10	13	5	0.6
MCR63V22MX1021	63	220	490	10	21	5	0.6
MCR63V477M13X26	63	470	880	13	26	5	0.6
MCR63V108M16X32	63	1000	1400	16	32	7.5	0.8
MCR100V105M5X11	100	1	16	5	11	2	0.5
MCR100V225M5X11	100	2.2	27	5	11	2	0.5
MCR100V475M5X11	100	4.7	45	5	11	2	0.5
MCR100V106M6.3X11	100	10	75	6.3	11	2.5	0.5
MCR100V226M8X11	100	22	130	8	11	3.5	0.6
MCR100V476M10X16	100	47	230	10	16	5	0.6
MCR100V107M13X21	100	100	380	13	21	5	0.6
MCR100V227M16X26	100	220	680	16	26	7.5	0.8
MCR100V477M16X32	100	470	1000	16	32	7.5	0.8

SIZE A	DWG. NO. TA-136	ELECTRONIC FILE TA-136.DWG	REV C
SCALE: NTS		U.O.M.: Millimeters	SHEET: 3 OF 3