

ALUMINUM ELECTROLYTIC CAPACITORS



PIM Series NEW

- Load life 3,000 hours at 105°C
- For server product
- Smaller size with higher ripple current



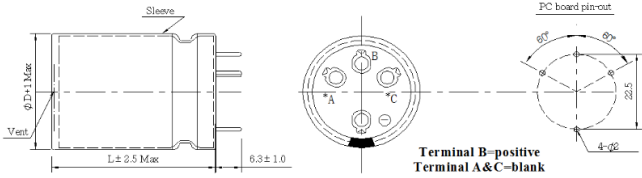
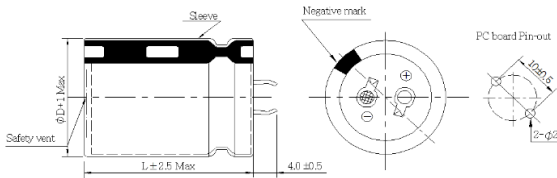
◆ SPECIFICATIONS

Item	Performance Characteristics		
Category Temperature Range	-25 ~ +105℃		
Working Voltage Range	450~500Vdc		
Capacitance Range	370~2300μF		
Capacitance Tolerance	±20% (at 25℃ and 120Hz)		
Dissipation Factor (tanδ) (at 25℃, 120Hz)	Rated Voltage (V)	450~475	500
	tanδ(Max)	0.20	0.24
Leakage Current	$I \leq \sqrt{CV}$ I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 5 minutes		
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V)	450~500	(at 120Hz)
	Z(-25℃)/Z(+20℃)	8	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25℃ after subjected to DC voltage with the rated ripple current is applied for 3,000 hours at 105℃.		
	Capacitance change	≦ ±20% of the initial value	
	Dissipation factor(tanδ)	≦ 200% of the specified value	
	Leakage current	≦ The initial specified value	
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25℃ after exposing them for 1,000 hours at 105℃ without voltage applied.		
	Capacitance change	≦ ±15% of the initial value	
	Dissipation factor(tanδ)	≦ 150% of the specified value	
	Leakage current	≦ The initial specified value	
Others	Conforms to JIS-C-5101-4 (1998)		

◆ DIMENSIONS (mm)

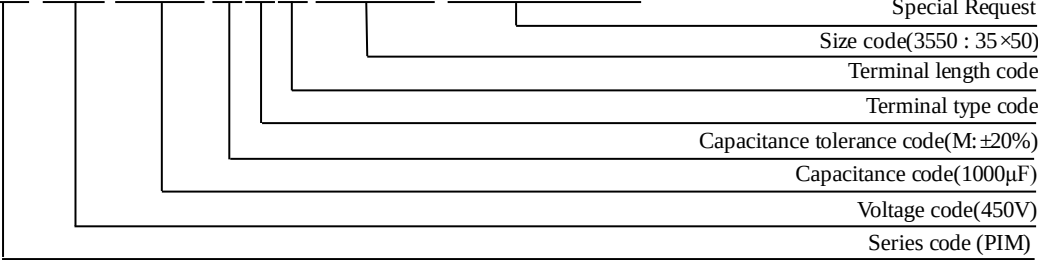
Terminal Code : ND : Standard

Terminal Code :K6 (Φ 35)



◆ PART NUMBER SYSTEM (Example : 450V 650µF)

P I M 2 W 1 0 2 M N D 3 5 5 0 Y



PIM Series

◆ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case Size (mm) ΦD×L	Rated Ripple current (mA rms/ 105°C, 120Hz)	Part Number
450 (2W)	510	25.4×50	1843	PIM2W511MNN2550JY
	560	25.4×55	1976	PIM2W561MNN2555JY
	640	25.4×60	2050	PIM2W641MNN2560JY
	710	25.4×65	2150	PIM2W711MNN2565JY
	770	30.5×50	2280	PIM2W771MNN3150Y
	780	25.4×70	2200	PIM2W781MNN2570JY
	840	25.4×75	2250	PIM2W841MNN2575JY
	870	30.5×55	2460	PIM2W871MNN3155Y
	900	25.4×80	2310	PIM2W901MNN2580JY
	960	30.5×60	2622	PIM2W961MNN3160Y
	1000	35×50	2560	PIM2W102MNN3550Y
	1050	30.5×65	2765	PIM2WA52MNN3165Y
	1130	35×55	2720	PIM2WB32MNN3555Y
	1150	30.5×70	2907	PIM2WB52MNN3170Y
	1230	30.5×75	3040	PIM2WC32MNN3175Y
	1250	35×60	2880	PIM2WC52MNN3560Y
	1330	30.5×80	3150	PIM2WD32MNN3180Y
	1380	35×65	2980	PIM2WD82MNN3565Y
	1430	30.5×85	3220	PIM2WE32MNN3185Y
	1510	35×70	3160	PIM2WF12MNN3570Y
	1530	30.5×90	3339	PIM2WF32MNN3190Y
	1620	30.5×95	3429	PIM2WG22MNN3195Y
	1640	35×75	3210	PIM2WG42MNN3575Y
	1720	30.5×100	3582	PIM2WH22MNN31A0Y
475 (2B)	1750	35×80	3350	PIM2WH52MNN3580Y
	1890	35×85	3440	PIM2WJ92MNN3585Y
	1970	35×90	3519	PIM2WK72MNN3590Y
	2200	35×95	3636	PIM2W222MNN3595Y
	2300	35×100	3798	PIM2W232MNN35A0Y
	460	25.4×50	1750	PIM2B461MNN2550JY
	520	25.4×55	1820	PIM2B521MNN2555JY
	570	25.4×60	1900	PIM2B571MNN2560JY
	630	25.4×65	1960	PIM2B631MNN2565JY
	690	25.4×70	2050	PIM2B691MNN2570JY
	690	30.5×50	2100	PIM2B691MNN3150Y
	750	25.4×75	2180	PIM2B751MNN2575JY
	780	30.5×55	2200	PIM2B781MNN3155Y
	810	25.4×80	2250	PIM2B811MNN2580JY
	860	30.5×60	2250	PIM2B861MNN3160Y
	940	35×50	2420	PIM2B941MNN3550Y
	950	30.5×65	2410	PIM2B951MNN3165Y
	1030	30.5×70	2600	PIM2BA32MNN3170Y
	1050	30.5×75	2650	PIM2BA52MNN3175Y
	1050	35×55	2650	PIM2BA52MNN3555Y

WV (Vdc)	Cap (μF)	Case Size (mm) ΦD×L	Rated Ripple current (mA rms/ 105°C, 120Hz)	Part Number
475 (2B)	1150	30.5×80	2700	PIM2BB52MNN3180Y
	1170	35×60	2710	PIM2BB72MNN3560Y
	1220	35×65	2860	PIM2BC22MNN3565Y
	1230	30.5×85	2850	PIM2BC32MNN3185Y
	1310	30.5×90	2960	PIM2BD12MNN3190Y
	1350	35×70	3050	PIM2BD52MNN3570Y
	1390	30.5×95	3150	PIM2BD92MNN3195Y
	1440	35×75	3150	PIM2BE42MNN3575Y
	1470	30.5×100	3250	PIM2BE72MNN31A0Y
	1550	35×80	3300	PIM2BF52MNN3580Y
	1660	35×85	3420	PIM2BG62MNN3585Y
	1800	35×90	3600	PIM2B182MNN3590Y
	1870	35×95	3680	PIM2BJ72MNN3595Y
	2000	35×100	3720	PIM2B202MNN35A0Y
	370	25.4×50	1670	PIM2H371MNN2550JY
	410	25.4×55	1780	PIM2H411MNN2555JY
500 (2H)	460	25.4×60	1810	PIM2H461MNN2560JY
	500	25.4×65	1880	PIM2H501MNN2565JY
	540	30.5×50	1910	PIM2H541MNN3150Y
	550	25.4×70	1930	PIM2H551MNN2570JY
	600	25.4×75	2050	PIM2H601MNN2575JY
	610	30.5×55	2030	PIM2H611MNN3155Y
	640	25.4×80	2160	PIM2H641MNN2580JY
	670	30.5×60	2150	PIM2H671MNN3160Y
	710	35×50	2130	PIM2H711MNN3550Y
	730	30.5×65	2280	PIM2H731MNN3165Y
	770	30.5×70	2340	PIM2H771MNN3170Y
	800	35×55	2260	PIM2H801MNN3555Y
	830	30.5×75	2450	PIM2H831MNN3175Y
	880	35×60	2430	PIM2H881MNN3560Y
	900	30.5×80	2560	PIM2H901MNN3180Y
	940	35×65	2490	PIM2H941MNN3565Y
	960	30.5×85	2640	PIM2H961MNN3185Y
	1020	30.5×90	2710	PIM2HA22MNN3190Y
	1030	35×70	2510	PIM2HA32MNN3570Y
	1090	30.5×95	2780	PIM2HA92MNN3195Y
	1120	35×75	2620	PIM2HB22MNN3575Y
	1150	30.5×100	2890	PIM2HB52MNN31A0Y
	1200	35×80	2710	PIM2H122MNN3580Y
	1260	35×85	2890	PIM2HC62MNN3585Y
	1330	35×90	2910	PIM2HD32MNN3590Y
	1430	35×95	3150	PIM2HE32MNN3595Y
	1520	35×100	3320	PIM2HF22MNN35A0Y

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)					
	50	120	300	1K	10K	50K
450 ~ 500	0.77	1.00	1.16	1.30	1.41	1.43