

Product Specification		High Voltage Power Factor Correction Capacitors		P 1/2
Type	LV - 6 (oil filled)			
Applicable Standard	JIS C 4902-1			
Service Conditions	Service Locations For indoor and outdoor service Ambient Temperature -20°C ~ +50°C Highest 24-hour average = +45°C Highest 1-year average = +35°C Relative Humidity 85% or less Altitude 1000m or less The capacitors shall be applied to the circuit having a 6% series Reactor.			
Temperature Category	-20/B			
Rating				
Insulation Level	22/60 kV			
System Voltage	6600 VAC			
Rated Voltage	4050 VAC			
Number of phases	1 - phase			
Rated Frequency	60Hz			
Equipment Output (kvar)	Rated Output (kvar)	Rated Current (A)	Outline Drawing	
185	197	48.6	NS-P 9 5 6 5 2 -	
Performance				
Capacitance	Measure at 1kHz with a LCR meter		Capacitance Tolerance -5% to +10%	
Voltage Test	Between terminals 8100VAC, 60s Between terminals & case 22kV, 60s		Shall withstand the test	
Dissipation Factor	Measure at 60Hz with a Schering Bridge		0.025% or less	
Sealing Test	After the capacitor temperature reaches 70°C, maintain the temperature for 2 hours or more.		No leakage shall occur	
Discharge Test	Residual voltage shall be 50V or less in 5 minutes after the energized capacitor is disconnected.			
<div style="display: flex; justify-content: space-between; align-items: flex-end; padding-top: 20px;"> <div style="width: 30%;"> Approved Jan. 7. '11 Checked Jan. 7. '11 Drawn Jan. 7. '11 <i>K. Tamiyama H. Yamazaki M. Eto</i> </div> <div style="width: 40%; text-align: center;"> SHIZUKI CO., INC. </div> <div style="width: 25%; text-align: right;"> NE-P90796-A </div> </div>				

Short Circuit Discharge Test	Apply a DC voltage of $5/\sqrt{3}$ times the rated voltage between any 2 terminals and then discharge through a gap situated between the terminals Repeat the charge and discharge 5 times and conduct the tests shown on the right.	Voltage test between terminals	Shall withstand the test.
		Appearance	No significant damage shall be found.
		Capacitance	Change from the initial reading shall be less than an amount corresponding to breakdown of an element.
Maximum Permissible Voltage and Permissible Duration	1. $1.10\times$ 12 hours max. in every 24 hours 2. $1.15\times$ 30 minutes max. in every 24 hours 3. $1.20\times$ 5 minutes max. 4. $1.30\times$ 1 minute max. provided that the overvoltages exceeding $1.15\times$ occur not more than 200 times in the capacitor life.		
Maximum Permissible Current	130% of the rated current		
Color of Paint	Munsell 5Y7/1		
Others	1. The capacitors are so constructed that a fault detector can be mounted on the capacitor. Be sure to mount a fault detector on the capacitor and connect the contacts of the detector to the trip circuit of a circuit breaker when installing the capacitors. 2. A protective cap is attached to a line terminal.		