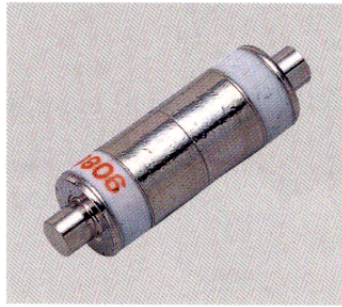
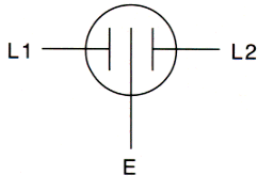


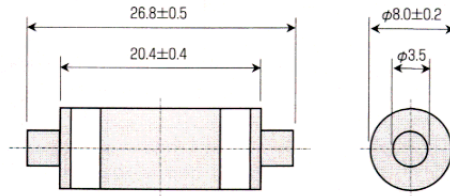
# 3YW Series (Three Electrode)

Symbol



Model A

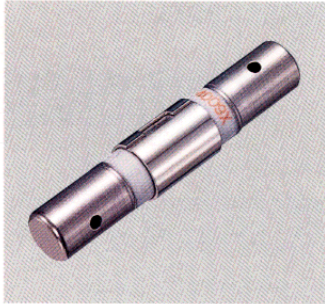
Fig.1



Electrodes : Nickel Plated  
Unit Weight : 5.7g

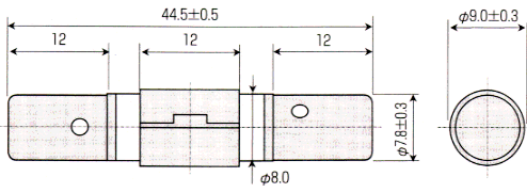
Units : mm

Model YZ Fig.2



Electrodes : Nickel Plated  
Unit Weight : 9.3g

Units : mm



## Note :

1. Insulation Resistance shall be measured with the following voltages for each nominal DC Sparkover Voltage.

Nominal DC Sparkover Voltage	Measuring Voltage
90V	DC 50V
230~400V	DC 100V

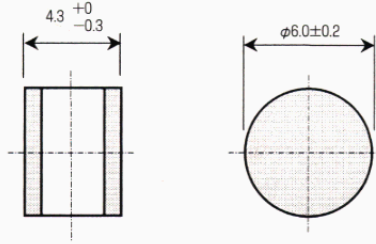
2. DC Holdover Voltage shall be measured in accordance with the ITU-T K.12, Test Circuit or the IEEE C62.31-1987 Test Circuit.

Part Number	See Figure 1	3YW-90A	3YW-230A	3YW-350A	3YW-400A
	See Figure 2	3YW-90YZ	3YW-230YZ	3YW-350YZ	3YW-400YZ
DC Sparkover Voltage (L1-E)(L2-E)	100V/s	90V ± 20%	230V ± 20%	350V ± 20%	400V ± 25%
Impulse Sparkover Voltage (L1-E)(L2-E)	100V/μs	≤ 500V	≤ 600V	≤ 650V	≤ 700V
	1kV/μs	≤ 700V	≤ 800V	≤ 850V	≤ 900V
Insulation Resistance	See Note 1	≥ 10,000MΩ	≥ 10,000MΩ	≥ 10,000MΩ	≥ 10,000MΩ
Capacitance	1MHz	≤ 3.0pF	≤ 3.0pF	≤ 3.0pF	≤ 3.0pF
DC Holdover Voltage	See Note 2	≤ 52V	≤ 150V	≤ 150V	≤ 150V
Impulse Life (L1+L2-E)	10/1000 μs 1000A	1,000 times	1,000 times	1,000 times	1,000 times
Impulse Discharge Current 8/20 μs (L1+L2-E)	Single	40kA	40kA	40kA	40kA
	Repeat 10 times (5 times, each polarity)	20kA	20kA	20kA	20kA
AC Discharge Current 50Hz (L1+L2-E)	Single (9 cycles)	400A	400A	400A	400A
	Repeat 10 times (1 second)	20A	20A	20A	20A

# Y06S Series (Miniature Two Electrode)

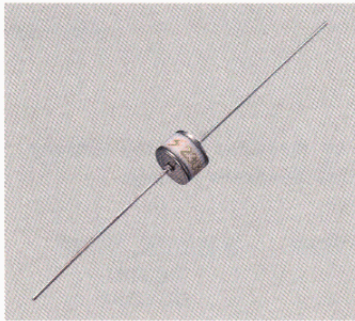


**Model A** *Fig.1*

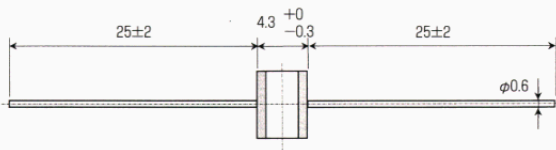


Electrodes : Nickel Plated  
Unit Weight : 0.6g

Units : mm



**Model B** *Fig.2*



Electrodes : Nickel Plated  
Leads : Tin Plated  
Unit Weight : 0.7g

Units : mm

**Note :**

1. Insulation Resistance shall be measured with the following voltages for each nominal DC Sparkover Voltage.

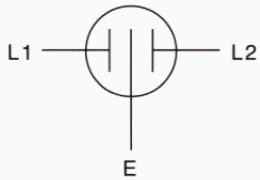
Nominal DC Sparkover Voltage	Measuring Voltage
100V	DC 50V
230~350V	DC 100V

2. DC Holdover Voltage shall be measured in accordance with the ITU-T K.12, Test Circuit or the IEEE C62.31-1987 Test Circuit.

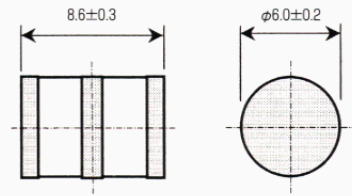
Part Number	Model A : Without leads	See Fig. 1	Y06S-100A	Y06SZ-230A	Y06SZ-350A
	Model B : With leads	See Fig. 2	Y06S-100B	Y06SZ-230B	Y06SZ-350B
DC Sparkover Voltage	100V/s	100V ± 20%	230V ± 20%	350 ± 20%	
Impulse Sparkover Voltage	100V/μs	≤ 500V	≤ 500V	≤ 600V	
	1kV/μs	≤ 700V	≤ 700V	≤ 800V	
Insulation Resistance	See Note 1	≥ 10,000MΩ	≥ 10,000MΩ	≥ 10,000MΩ	
Capacitance	1MHz	≤ 1.0pF	≤ 1.0pF	≤ 1.0pF	
DC Holdover Voltage	See Note 2	≤ 52V	≤ 135V	≤ 135V	
Impulse Life	10/1000 μs, 100A	200 times	200 times	200 times	
Impulse Discharge Current, 8/20 μs	Single	3kA	N/A	N/A	
	Repeat 10 times (5 times, each polarity)	N/A	5kA	5kA	
AC Discharge Current, 50Hz	Single, 9 Cycles	20A	20A	20A	
	Repeat 1 sec. 10 times	N/A	5A	5A	

# 3Y06 Series (Miniature Three Electrode)

Symbol



**Model A**  
**Fig.1**

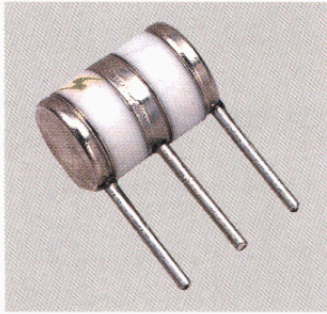


Electrodes : Nickel Plated  
(Tin Plated are available by request)

Unit Weight : 1.3g

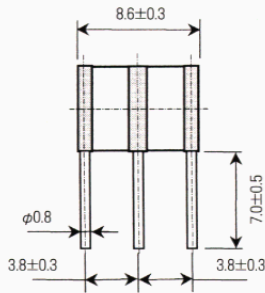
Units : mm

**Model P1**  
**Fig.2**



Electrodes : Nickel Plated  
Leads : Tin Plated  
Unit Weight : 1.4g

Units : mm



**Note :**

1. Insulation Resistance shall be measured with the following voltages for each nominal DC Sparkover Voltage.

Nominal DC Sparkover Voltage	Measuring Voltage
90V	DC 50V
230~350V	DC 100V

2. DC Holdover Voltage measurement shall comply with ITU-T K.12.

3. After Impulse Life, Impulse & AC Discharge Current Test.

- A. DC Sparkover Voltage : 90V ± 50%
- Impulse Sparkover Voltage : ≤ 900V
- Insulation Resistance : ≥ 100MΩ
- B. DC Sparkover Voltage : 180~300V
- Impulse Sparkover Voltage : ≤ 900V
- Insulation Resistance : ≥ 100MΩ
- C. DC Sparkover Voltage : 350V ± 50%
- Impulse Sparkover Voltage : ≤ 900V
- Insulation Resistance : ≥ 100MΩ

Part Number	Model A : Without leads	See Fig. 1	3Y06-90A	3Y06-230A	3Y06-350A
	Model P1 : With leads	See Fig. 2	3Y06-90P1	3Y06-230P1	3Y06-350P1
DC Sparkover Voltage (L1-E)(L2-E)	100V/s	90V ± 20%	230V ± 20%	350V ± 20%	
Impulse Sparkover Voltage (L1-E)(L2-E)	1kV/μs	≤ 850V	≤ 700V	≤ 750V	
Insulation Resistance	See Note 1	≥ 10,000MΩ	≥ 10,000MΩ	≥ 10,000MΩ	
Capacitance	1MHz	≤ 3.0 pF	≤ 3.0 pF	≤ 3.0 pF	
DC Holdover Voltage	See Note 2	≤ 52V	≤ 135V	≤ 150V	
Impulse Life (L1+L2-E)	10/1000 μs 200A	100 times See Note 3A	100 times See Note 3B	100 times See Note 3C	
Impulse Discharge Current, 8/20 μs (L1+L2-E)	Repeat 10 times (5 times, each polarity)	5kA See Note 3A	10kA See Note 3B	5kA See Note 3C	
AC Discharge Current, 50Hz (L1+L2-E)	Repeat 5 times 1 sec.	5A See Note 3A	10A See Note 3B	5A See Note 3C	