

3YVH Series - Three Electrode

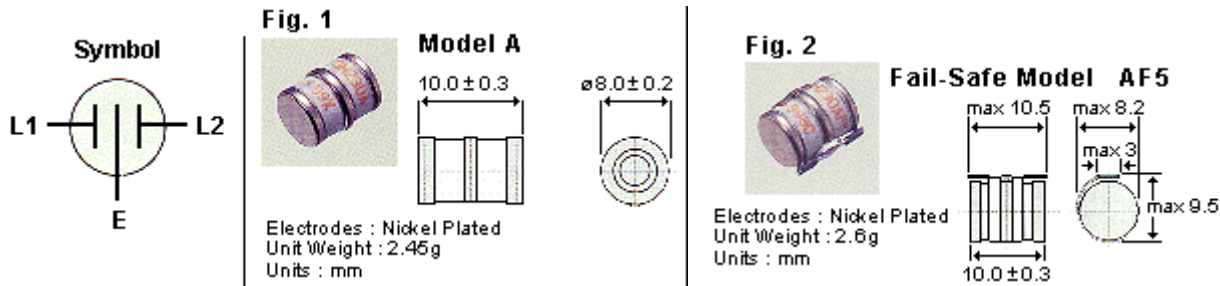
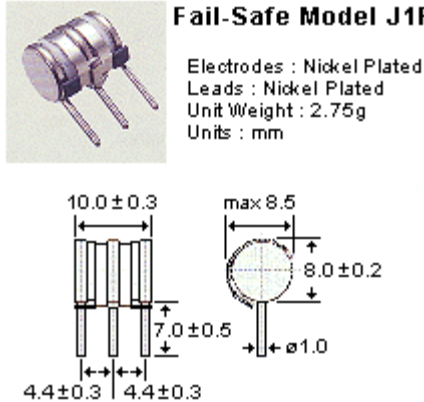


Fig. 3 Fail-Safe Model J1F5



Note :

1. DC Holdover Voltage measurement shall comply with the ITU-T K.12, Test #3 for 3YVH-230 & 3YVH-250, and Test #2 for 3YVH-350.
 2. Fail-Safe operation time : 10 sec at AC 10A(5A+5A=L1+ L2)
 3. Measured Impulse : 100A(5A+5A=L1+ L2)
- A. After Impulse Life, Impulse & AC Discharge Current Test**
- DC Sparkover Voltage : 180 ~ 300V
 - Impulse Sparkover Voltage : ≤ 900V
 - Insulation Resistance : ≥ 100Mohm
- B. After Impulse Life, Impulse & AC Discharge Current Test**
- DC Sparkover Voltage : 250V ± 50%
 - Impulse Sparkover Voltage : ≤ 900V
 - Insulation Resistance : ≥ 100Mohm
- C. After Impulse Life, Impulse & AC Discharge Current Test**
- DC Sparkover Voltage : 250 ~ 450V
 - Impulse Sparkover Voltage : ≤ 900V
 - Insulation Resistance : ≥ 100Mohm

Part Number	Model A : Without Leads	See Fig. 1	3YVH-230A	3YVH-250A	3YVH-350A
	Model AF5 : Fail-Safe (See Note 2)	See Fig. 2	3YVH-230AF5	3YVH-250AF5	3YVH-350AF5
	Model AF5 : With leads and Fail-Safe	See Fig. 3	3YVH-230J1F5	N/A	N/A
DC Sparkover Voltage (L1-E)(L2-E)	100V/S	180 - 300V	200 - 300V	280 - 420V	
Impulse Sparkover Voltage (L1-E)(L2-E)	1kV/μs	≤ 900V	≤ 900V	≤ 900V	
Insulation Resistance	100V DC	≥ 1,000Mohm	≥ 1,000Mohm	≥ 1,000Mohm	
Capacitance	1MHz	≤ 3.0pF	≤ 3.0pF	≤ 3.0pF	
DC Holdover Voltage	See Note 1	≤ 135V	≤ 135V	≤ 80V	
Impulse Life(L1 + L2-E)	10/1000μs, 200A	300 times See Note 3A	300 times See Note 3B	300 times See Note 3C	
Impulse Discharge Current, 8/20μs (L1 + L2-E)	Repeat 10 times (5 Times - each polarity)	Not Specified	Not Specified	20kA See Note 3C	
AC Discharge Current, 50Hz (L1 + L2-E)	Repeat 5 times (1 second)	10A See Note 3A	20A See Note 3B	20A See Note 3C	