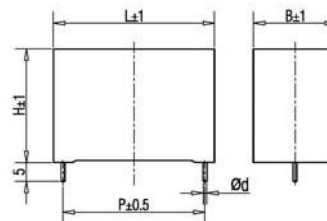




## XSB series / High Pulse

### GENERAL TECHNICAL CHARACTERISTICS

|                       |   |
|-----------------------|---|
| Reference standards : | IEC 61071-60068   |
| Dielectric :          | Polypropylene film  |
| Construction :        | Extended double side metallized carrier film<br>with internal series connection and metallized film |
| Coating :             | Solvent resistant plastic case with resin sealing<br>Flame retardant execution (UL94V-0 )           |
| Leads:                | Tinned copper wire  |



### ELECTRICAL CHARACTERISTICS

|                                |  |
|--------------------------------|--|
| Operating temperature (case) : | - 40 to + 85 °C  |
| Capacitance :                  | 0.001 to 1.5µF   |
| Rated Voltage :                | 630 to 2000 VDC  |
| Tolerance :                    | ± 5% , ± 10%   |
| Dissipation factor:            | ≤4×10 <sup>-4</sup> Measured at 1000±20Hz and 25±5°C . |
| Life expectancy :              | 100,000 hours at Un and 70 °C(Hot-spot temperature)    |

### TEST METHODS AND PERFORMANCES

|                                 |   |
|---------------------------------|---|
| Dielectric strength:            | 1.5Un applied for 10s at 25±5°C   |
| Test voltage terminal to case : | 3kVAC/50Hz for 60s  |
| Insulation resistance :         | 30000s but need not exceed 30GΩ,<br>(typical value), after 1 minute of electrification at 100Vdc (25±5°C) |

### Electrical specifications, ordering codes

| Cap<br>(µF)              | Dimension (mm) |      |      |      |     | du/dt<br>(v/µs) | Ordering Code       |
|--------------------------|----------------|------|------|------|-----|-----------------|---------------------|
|                          | L              | B    | H    | P    | d   |                 |                     |
| Un 630VDC , Urms 400VAC  |                |      |      |      |     |                 |                     |
| 0.047                    | 26.5           | 6.0  | 15.0 | 22.5 | 0.8 | 2050            | XSB-630-0.047-2T#   |
| 0.068                    | 26.5           | 7.0  | 16.0 | 22.5 | 0.8 | 2050            | XSB-630-0.068-2T#   |
| 0.10                     | 26.5           | 8.5  | 17.0 | 22.5 | 0.8 | 2050            | XSB-630-0.10-2T #   |
| 0.15                     | 26.5           | 11.0 | 20.0 | 22.5 | 0.8 | 2050            | XSB-630-0.15-2T #   |
| 0.15                     | 31.0           | 11.0 | 20.0 | 27.5 | 0.8 | 1500            | XSB-630-0.15-2V#    |
| 0.22                     | 31.0           | 13.0 | 22.0 | 27.5 | 0.8 | 1500            | XSB-630-0.22-2V #   |
| 0.33                     | 31.0           | 15.0 | 24.5 | 27.5 | 0.8 | 1500            | XSB-630-0.33-2V #   |
| 0.47                     | 31.0           | 18.0 | 33.0 | 27.5 | 1.0 | 1500            | XSB-630-0.47-2V #   |
| 0.47                     | 42.5           | 17.0 | 28.0 | 37.5 | 1.0 | 950             | XSB-630-0.47-2F#    |
| 0.68                     | 31.0           | 18.0 | 33.0 | 27.5 | 1.0 | 1500            | XSB-630-0.68-2V#    |
| 0.68                     | 42.5           | 17.0 | 28.0 | 37.5 | 1.0 | 950             | XSB-630-0.68-2F#    |
| 1.0                      | 42.5           | 22.0 | 30.0 | 37.5 | 1.0 | 950             | XSB-630-1.0-2F#     |
| 1.5                      | 42.5           | 28.0 | 37.0 | 37.5 | 1.0 | 950             | XSB-630-1.5-2F#     |
| Un 1000VDC , Urms 600VAC |                |      |      |      |     |                 |                     |
| 0.022                    | 26.5           | 6.0  | 15.0 | 22.5 | 0.8 | 2600            | XSB-1000-0.022-2T#  |
| 0.033                    | 26.5           | 7.0  | 16.0 | 22.5 | 0.8 | 2600            | XSB-1000-0.033-2T # |
| 0.047                    | 26.5           | 8.5  | 17.0 | 22.5 | 0.8 | 2600            | XSB-1000-0.047-2T # |
| 0.068                    | 26.5           | 10.0 | 18.5 | 22.5 | 0.8 | 2600            | XSB-1000-0.068-2T # |
| 0.10                     | 26.5           | 13.0 | 22.0 | 22.5 | 0.8 | 2600            | XSB-1000-0.10-2T #  |
| 0.10                     | 31.0           | 11.0 | 20.0 | 27.5 | 0.8 | 1850            | XSB-1000-0.10-2V#   |
| 0.15                     | 31.0           | 13.0 | 22.0 | 27.5 | 0.8 | 1850            | XSB-1000-0.15-2V #  |
| 0.22                     | 31.0           | 15.0 | 24.5 | 27.5 | 0.8 | 1850            | XSB-1000-0.22-2V #  |
| 0.33                     | 31.0           | 18.0 | 33.0 | 27.5 | 1.0 | 1850            | XSB-1000-0.33-2V #  |
| 0.33                     | 42.5           | 15.0 | 26.0 | 37.5 | 1.0 | 1200            | XSB-1000-0.33-2F#   |
| 0.47                     | 42.5           | 17.0 | 28.0 | 37.5 | 1.0 | 1200            | XSB-1000-0.47-2F#   |
| 0.68                     | 42.5           | 22.0 | 30.0 | 37.5 | 1.0 | 1200            | XSB-1000-0.68-2F#   |
| 1.0                      | 42.5           | 28.0 | 37.0 | 37.5 | 1.0 | 1200            | XSB-1000-1.0-2F#    |
| Un 1600VDC , Urms 650VAC |                |      |      |      |     |                 |                     |
| 0.01                     | 26.5           | 6.0  | 15.0 | 22.5 | 0.8 | 3800            | XSB-1600-0.01-2T#   |
| 0.015                    | 26.5           | 7.0  | 16.0 | 22.5 | 0.8 | 3800            | XSB-1600-0.015-2T#  |

XSB Series – High Pulse



## XSB series / High Pulse

### Electrical specifications, ordering codes

| Cap<br>( $\mu$ F)        | Dimension (mm) |      |      |      |     | du/dt<br>(v/ $\mu$ s) | Ordering Code        |
|--------------------------|----------------|------|------|------|-----|-----------------------|----------------------|
|                          | L              | B    | H    | P    | d   |                       |                      |
| Un 1600VDC , Urms 650VAC |                |      |      |      |     |                       |                      |
| 0.022                    | 26.5           | 8.5  | 17.0 | 22.5 | 0.8 | 3800                  | XSB-1600-0.022-2T#   |
| 0.033                    | 26.5           | 10.0 | 18.5 | 22.5 | 0.8 | 3800                  | XSB-1600-0.033-2T #  |
| 0.047                    | 26.5           | 13.0 | 22.0 | 22.5 | 0.8 | 3800                  | XSB-1600-0.047-2T #  |
| 0.047                    | 31.0           | 11.0 | 20.0 | 27.5 | 0.8 | 2700                  | XSB-1600-0.047-2V #  |
| 0.068                    | 31.0           | 13.0 | 22.0 | 27.5 | 0.8 | 2700                  | XSB-1600-0.068-2V #  |
| 0.10                     | 31.0           | 17.0 | 28.0 | 27.5 | 1.0 | 2700                  | XSB-1600-0.10-2V #   |
| 0.15                     | 31.0           | 18.0 | 33.0 | 27.5 | 1.0 | 2700                  | XSB-1600-0.15-2V #   |
| 0.15                     | 42.5           | 15.0 | 26.0 | 37.5 | 1.0 | 1700                  | XSB-1600-0.15-2F#    |
| 0.22                     | 42.5           | 17.0 | 28.0 | 37.5 | 1.0 | 1700                  | XSB-1600-0.22-2F #   |
| 0.33                     | 42.5           | 22.0 | 30.0 | 37.5 | 1.0 | 1700                  | XSB-1600-0.33-2F #   |
| 0.47                     | 42.5           | 28.0 | 37.0 | 37.5 | 1.0 | 1700                  | XSB-1600-0.47-2F #   |
| Un 2000VDC , Urms 700VAC |                |      |      |      |     |                       |                      |
| 0.0033                   | 26.5           | 6.0  | 15.0 | 22.5 | 0.8 | 6200                  | XSB-2000-0.0033-2T # |
| 0.0047                   | 26.5           | 6.0  | 15.0 | 22.5 | 0.8 | 6200                  | XSB-2000-0.0047-2T # |
| 0.0068                   | 26.5           | 6.0  | 15.0 | 22.5 | 0.8 | 6200                  | XSB-2000-0.0068-2T # |
| 0.01                     | 26.5           | 8.5  | 17.0 | 22.5 | 0.8 | 6200                  | XSB-2000-0.01-2T #   |
| 0.015                    | 26.5           | 10.0 | 18.5 | 22.5 | 0.8 | 6200                  | XSB-2000-0.015-2T #  |
| 0.022                    | 26.5           | 13.0 | 22.0 | 22.5 | 0.8 | 6200                  | XSB-2000-0.022-2T #  |
| 0.022                    | 31.0           | 11.0 | 20.0 | 27.5 | 0.8 | 4200                  | XSB-2000-0.022-2V#   |
| 0.033                    | 31.0           | 13.0 | 22.0 | 27.5 | 0.8 | 4200                  | XSB-2000-0.033-2V #  |
| 0.047                    | 31.0           | 15.0 | 24.5 | 27.5 | 0.8 | 4200                  | XSB-2000-0.047-2V #  |
| 0.068                    | 31.0           | 14.0 | 28.0 | 27.5 | 0.8 | 4200                  | XSB-2000-0.068-2V #  |
| 0.10                     | 31.0           | 18.0 | 33.0 | 27.5 | 1.0 | 4200                  | XSB-2000-0.10-2V #   |
| 0.10                     | 42.5           | 15.0 | 26.0 | 37.5 | 1.0 | 2600                  | XSB-2000-0.10-2F#    |
| 0.15                     | 42.5           | 22.0 | 30.0 | 37.5 | 1.0 | 2600                  | XSB-2000-0.15-2F #   |
| 0.22                     | 42.5           | 28.0 | 37.0 | 37.5 | 1.0 | 2600                  | XSB-2000-0.22-2F #   |
| 0.33                     | 42.5           | 28.0 | 37.0 | 37.5 | 1.0 | 2600                  | XSB-2000-0.33-2F #   |

|              |              |                |                        |
|--------------|--------------|----------------|------------------------|
| <b>XSB -</b> | <b>1600-</b> | <b>0.047 -</b> | <b>2T#</b>             |
| Series       | Voltage      | Capacitance    | Dimension and terminal |

- 2** Leads Style, for 2 leads,
- T** Lead Pitch , T for 22.5mm, V for 27.5  
F for 37.5mm ,
- #** Lead length, none for 5mm, L for 30mm

XSB Series – High Pulse