

# Surge Arresters Series/Type: T30-A350XSMD

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B88069X7921T702		2019-11-15	2020-02-21	2020-05-21
B88069X7921C253		2019-11-15	2020-02-21	2020-05-21

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# Surge arrester

# **3-electrode arrester**

B88069X7921\*\*\*\* T30-A350XSMD

## Features

- Very small size
- Extremely fast response time
- High current rating
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

# **Electrical specifications**

# Applications

- Line protection
- Station protection
- Base stations

DC spark-over voltage	) 1) 2) 4) 5)		350 ± 20	V %	
Impulse spark-over voltage <sup>4)</sup> at 100 V/µs - for 99 % of measured values - typical values of distribution			< 800 < 650	V V	
at 1 kV/µs	kV/μs - for 99 % of measured values - typical values of distribution		< 900 < 700	V V	
Service life					
10 operations 1 operation		50 Hz; 1 s <sup>6)</sup> 50 Hz; 0.18 s (9 cycles) <sup>6)</sup>	10 30	A A	
10 operations [5x (+) & 5x (-)] 8/20 µs <sup>6)</sup>			10	kA	
1 operation		8/20 μs <sup>6)</sup>	15	kA	
1 operation		10/350 µs <sup>6)</sup>	2	kA	
Insulation resistance at 100 V <sub>DC</sub> <sup>4)</sup>			> 10	GΩ	
Capacitance at 1 MHz <sup>4)</sup>			< 1.5	pF	
Transverse delay time <sup>3)</sup>			< 0.2	μs	
Arc voltage at 1 A Glow to arc transition current Glow voltage			~ 30 ~ 1 ~ 200	V A V	
Weight			~ 1.4	g	
Operation and storage temperature			-40 +90	°C	
Climatic category (IEC 60068-1)			40/ 90/ 21		
UL recognition - 1449 ed. 3 type 3			E319264		
Marking, blue negative			<b>EPCOS</b> <b>350 YY O</b> 350 - Nominal voltage YY - Year of production O - Non radioactive		

Remarks see next page above

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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- <sup>2)</sup> In ionized mode
- <sup>3)</sup> Test according to ITU-T Rec. K.12
- <sup>4)</sup> Tip or ring electrode to center electrode
- <sup>5)</sup> Tip to ring electrode

<sup>6)</sup> Total current through center electrode, half value through tip respectively ring electrode. Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

#### Dimensional drawing in mm



# Ordering codes and packing advices

B88069X7921**C253** = 2500 pcs on container



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# Surge arrester

#### **3-electrode arrester**

B88069X7921\*\*\*\* T30-A350XSMD

# B88069X7921**T702** = 700 pcs on SMD tape



# **Cautions and warnings**

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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