

# LA26 Series

**Spark Gaps LA26** are intended for voltage surge protection of the RF- and other radio electronic circuits, as well as for high voltage pulse generators as high energy switches. The **LA26-series** of 2-electrode spark gaps are high-pressure gas-discharge tubes, hermetically sealed in a ceramic-metal envelope. The spark gaps are manufactured in conformity with technical conditions КВФМ 433.215.009TV for use in various process installations for domestic as well as export delivery.



THE SWITCH DOES NOT CONTAIN ANY RADIOACTIVE, TOXIC AND OTHER HAZARDOUS SUBSTANCES.

TABLE 1. PRODUCTS SPECIFICATIONS

DC breakdown voltage, (Ust), kV	0.5-15.0
Dynamic DC breakdown voltage (Ud at 8/20 us waveshape), kV	4.5-5.5
Breakdown voltage tolerance, %	<10
Peak current, single discharge (8/20 us waveshape), kA max	25.0
Charge transfer, single discharge (8/20 us waveshape), C max	1.0
Insulation Resistance, MΩ	> 1000
Net weight, g	50
Operating temperatures, °C	-60 ... +150

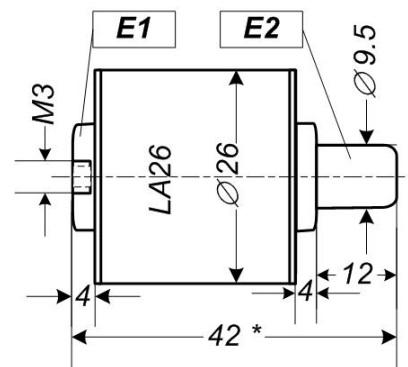
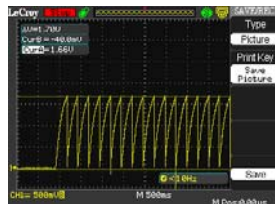
All ratings given in this data sheet are absolute, no simultaneous ratings. It is the equipment designer's responsibility to ensure that they are not exceeded. The spark gap life depends on circuit conditions such as peak discharge current and duration, charge transfer per discharge and the repetition rate.

**Notes:**

1. LA26 is a trade mark for the line of spark gaps with different Self Breakdown Voltages (SBV). Parts with different SBV ratings are available on order. At that in case when SBV=3 kV the spark gap is signified as LA26-3, SBV=5 kV – LA26-5 etc.
2. Breakdown voltage tolerance in the end of lifetime <15%.
3. **The rate of rise of current is mostly dependent on the circuit conditions. The spark gap is capable of switching within breakdown times of less than 10 ns.**

MAINTENANCE NOTES

- o The tube can be operated in any position.
- o Natural (non-forced) cooling.
- o The spark gap can be fixed in apparatus by cap E1 using screw M3 and contact cap E2. Torque for tightening the nut should not exceed 2.5 Nm (0.25 kg f·m). Deforming of the gap pin cannot be allowed. One connection (E2) must be flexible.
- o Reasonable life can be achieved with high current reversal, but for maximum life a critically damped circuit is preferred.



LA26 SCHEMATIC DRAWING

All dimensions are in millimeters.  
\* Reference dimensions

IMPULSE BREAKDOWN VOLTAGE WAVEFORM