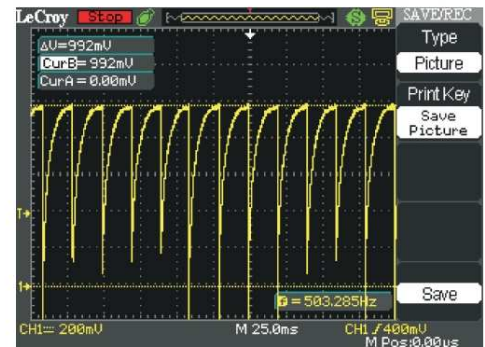


Two-electrode Spark Gaps



- No toxic, no radioactive substances
- No standby power consumption
- Compact and robust design
- Low cost
- Operating temperature -60 to +300°C
- Customized solutions

IMPULSE BREAKDOWN PLOTS FOR LA26



The range of two-electrode spark gaps offered by PulseTech comprises hermetically sealed gas filled switches, suitable for use in under severe environmental condition.
The design of the switch is protected by RF Patent № 108224 of 09.11.2009.

- **Transient protection against lightning**
- **Protection of transmitting and power line equipment**
- **Peaking circuits for pulsed X-ray equipment**
- **General fast high energy switching**

Absolute (Maximums/Nonsimultaneous) Ratings

Standard models	DC breakdown voltage range, kV	Impulse ratio, measured @ specific dU/dt for every tube	Peak current, kA	Maximum charge transfer, C	Overall dimensions, ØxH, mm
LA26	0.6 – 10 (±10%)	1.2	30	0.5	27x50
LA86	1 – 50 (±5%)	1.2	200	20	90x124
RK22	0.6 – 5.0 (±10%)	1.5	1	0.1	22x55
RK2M	0.6 – 5.0 (±10%)	1.5	1	0.1	19x19
RK83	0.6 – 6.0 (±10%)	1.5	20	0.5	38x28
RK84	1 – 15 (±10%)	1.5	20	0.5	38x36
RK85	5 – 50 (±10%)	1.5	20	0.5	38x54
RK86	5 – 50 (±10%)	1.5	20	1	70x24(45)
RO89 (peaking)	Up to 300 kV	-	1	-	56x70

Notes:

- Tubes with various DC hold-off voltage are available. This is signified by numerals following the model type after hyphen, e.g. RK83-7 means that the DC hold-off voltage is 7 kV.
- For use above a specific voltage for each type of spark gaps immersion in insulating media can be recommended.
- The life of a spark gap is governed primarily by the deposition of electrode material on the insulating surfaces.
The rate of erosion of the electrodes may be related to peak current as $\sim (I_{pk})^{16}$
- The life of a spark gap also increases with decreasing repetition rate.
- All data and specifications are subject to change without notice.