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Fluid cooled Xenon flash Lamp: NL9764

Envelope:(cdq/cfq)	cdq :	Impedance parameter. (Ko)	21.3	Ohm Amp ^{0.5}
Wall: (.5-1-2 mm)	1 :	Explosion const. (Ke)	1.44E+05	Watt sec ^{0.5}
		Maximum average power	3016	Watts
Bore: (mm)	6 :	Max peak current. (A)	1131	See note 1
Arc: (mm)	100 :	Lamp voltage min. (V)	700	See note 2
		Lamp voltage max. (V)	2450	See note 3
Gas type: (xe/kr)	xe :	Minimum trigger voltage.(Kv)	16	See note 4
Pressure: (torr)	450 :	Minimum trigger width.(us)	0.80	See note 5

Note 1: Maximum lamp current for long life applications = 4000 amps cm²

Note 2: Minimum lamp voltage for reliable ignition using external trigger.

Note 3: Maximum lamp voltage for reliable operation with out self flash.

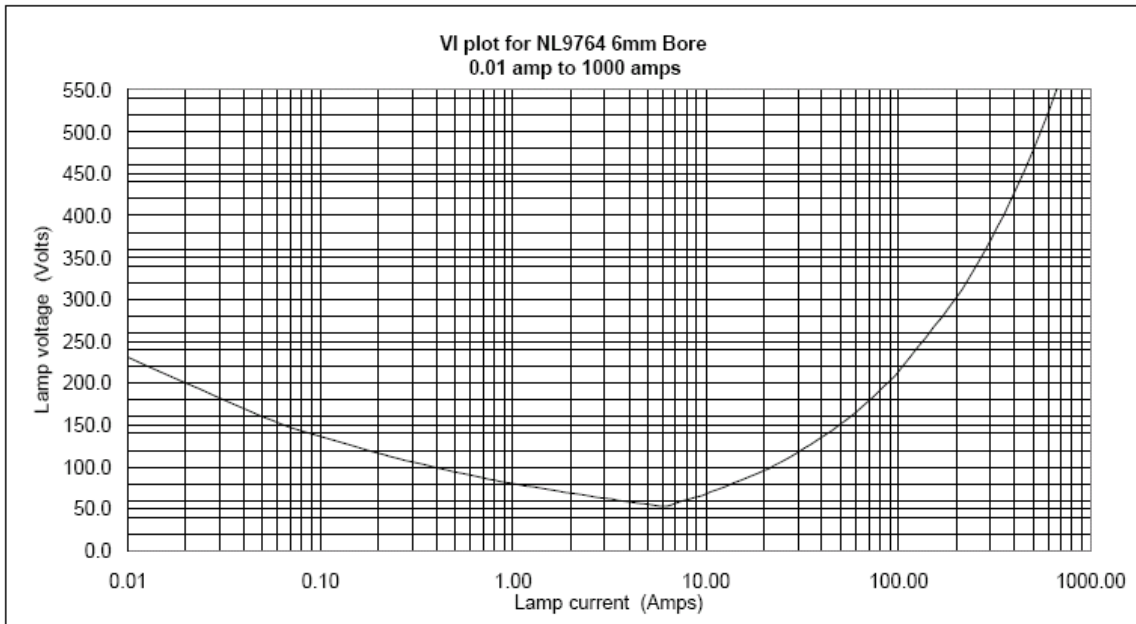
Note 4: Typical external trigger voltage, series trigger voltage similar.

Note 5: Minimum trigger pulse width (us) at minimum trigger voltage.

Note 6: Lamp and trigger voltages assume negative ground lamp supply.

Note 7: Minimum lamp voltage for reliable ignition will be lower with series trigger.

Note 8: For simmer operation minimum voltage is determined by lamp Ko (see VI plot)



Assumes Ko remains constant throughout positive slope of operation.

All data based on theory/calculation

