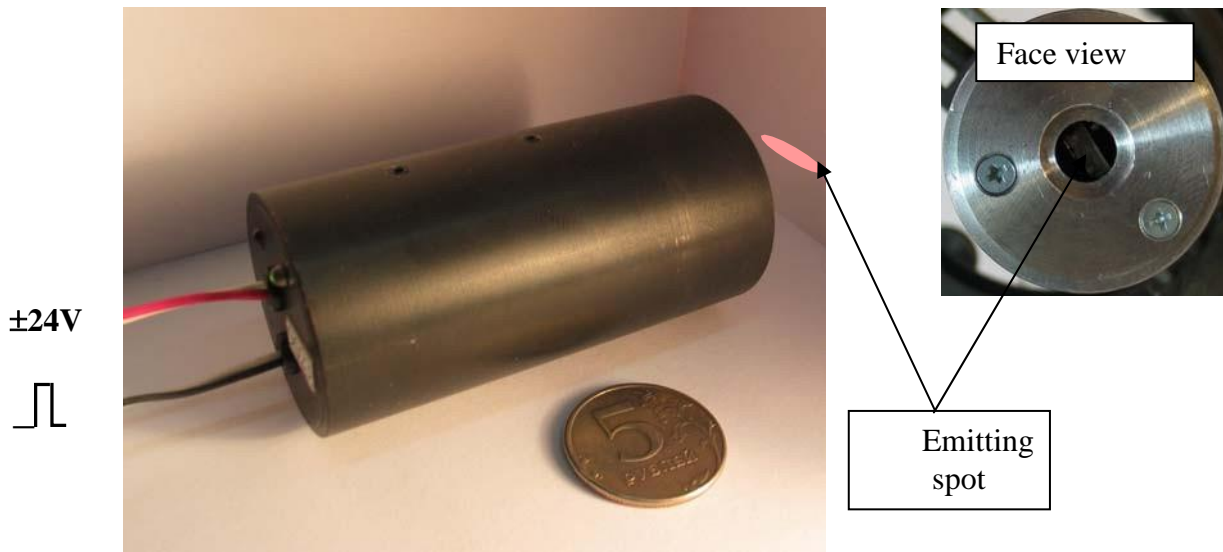


Technical parameters of pulse laser emitter with impulse power supply:

Parameter	Sign	Value			Unit
		Min	Typical	Max	
<i>Laser emitter Лазерный излучатель</i> (all values are for operation temperature 25 °C)					
Pulse optical output power	P_{op}	100	200	250	W
Power temperature shift	$\Delta P/\Delta T$	1.0	1.3	1.6	W/°C
Emitting aperture	$W \times d$		0.8x0.2		mm*mm
Beam divergence in a direction perpendicular to cylindrical lens system of the laser emitter (FWHM)*	θ_{\perp}	1	1.5	2	grade
Beam divergence in a direction parallel to cylindrical lens system of the laser emitter (FWHM)*	θ_{\parallel}	8	12	16	grade
Emitting wavelength	λ	890	905	920	nm
Spectrum temperature shift	$\Delta\lambda/\Delta T$	0,33	0,35	0,37	nm/°C
<i>Operation mode - Pulse</i>					
Pulse duration (bell shaped), FWHM*	τ	80	100	110	ns
Pulse frequency	f	-	1	-	KHz
Operation temperature range		-40	+25	+50	°C
<i>Pulse power supply</i>					
Dimensions: diameter	D	-	37	-	mm
length	L	-	77	-	mm
Triger pulse parameters					
Frequency	f		1000		Hz
Duration	τ	100		1000	ns
Amplitude	A	2		5	V
Polarity	-	Positive			-
Feeding volage	U_{feed}		24		V
Feeding voltage range	Δ	8		25	V

*FWHM – full-width-at-half-maximum

Module appearance



Optionally this pulse laser module can be supplied with basic 220 VAC power supply:

AC feeding: voltage	—	220	—	V
frequency		50		Hz
Basic power supply dimensions:				
length	—	210	—	mm
width		140		
height		65		