

# Diode Laser Pumped Transmitters

## Active Q-switch

## Passive Q-switch



Product	OT-29	OT-39
Laser beam wavelength	1.54 $\mu\text{m}$	
Repetition rate	1pps continuous/5pps burst	
Output energy	>1.2 mJ	>3 mJ
Beam divergence (80% of total energy)	<4 mr	
Output beam diameter	0.8 mm	
Pulse width	10 nsec	
Weight	60 gr	
Dimensions (LxWxH)	46 x 30.5 x 17.4 mm	
Pumping	diode laser	
Q-switch type	passive	
Electrical interface	100A/2V	100A/4V
Conductive cooling requirements	<0.8 W	<1.6 W
Operational temperature	-40/+75 $^{\circ}\text{C}$	
Starting signal	built-in photodiode	



Product	OT-17	OT-27	OT-37
Laser beam wavelength	1.54 $\mu\text{m}$		
Repetition rate	1pps	5pps	10pps
Output energy	>2.4 mJ	>2 mJ	>2 mJ
Beam divergence (80% of total energy)	<4 mr		

<b>Output beam diameter</b>	0.8 mm		
<b>Pulse width</b>	10 nsec		
<b>Weight</b>	70 gr		
<b>Dimensions (LxWxH)</b>	62x30.5x16.8 mm		
<b>Pumping</b>	diode laser		
<b>Q-switch type</b>	passive		
<b>Electrical interface</b>	100A/2V		
<b>Conductive cooling requirements</b>	<1.2 W	<6 W	<12 W
<b>Operational temperature</b>	-40/+75 °C		
<b>Starting signal</b>	built-in photodiode		



<b>Product</b>	<b>OT-33</b>	<b>OT-34</b>
<b>Laser beam wavelength</b>	1.54 $\mu\text{m}$	
<b>Repetition rate</b>	1pps continuous/5pps burst	
<b>Output energy</b>	>1 mJ	>2 mJ
<b>Beam divergence (80% of total energy)</b>	<4 mr	
<b>Output beam diameter</b>	0.8 mm	
<b>Pulse width</b>	10 nsec	10 nsec
<b>Weight</b>	25 gr	
<b>Dimensions (LxWxH)</b>	33x 21x14 mm	
<b>Pumping</b>	diode laser	
<b>Q-switch type</b>	passive	
<b>Electrical interface</b>	100A/2V	100A/4V
<b>Conductive cooling requirements</b>	<0.8 W	<1.6 W

<b>Operational temperature</b>	-40/+75 °C	-40/+65 °C
<b>Starting signal</b>	built-in photodiode	

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