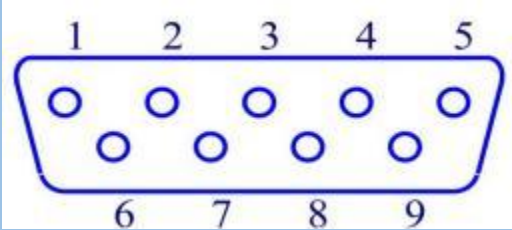


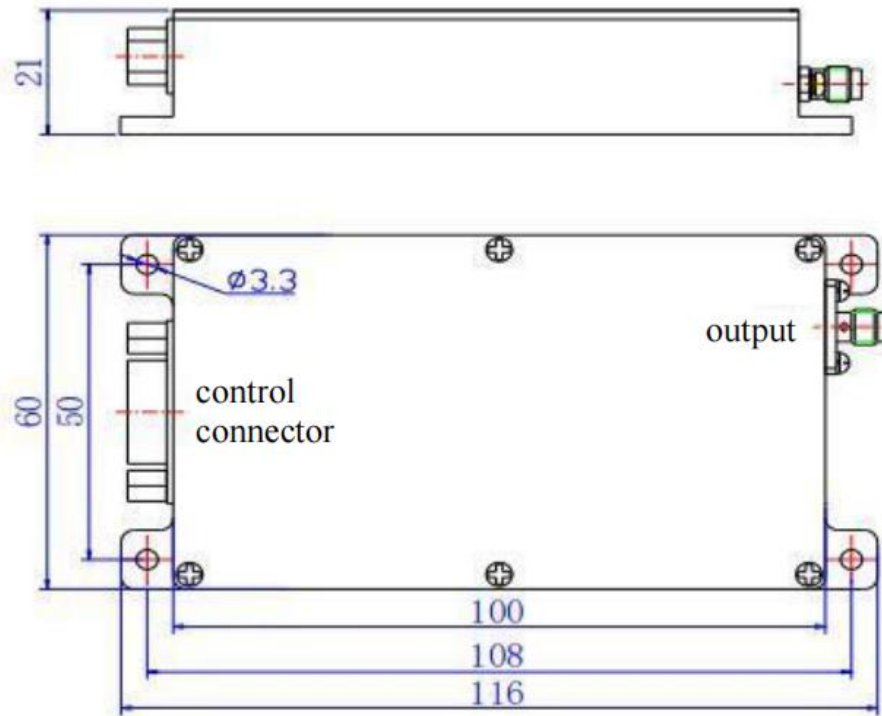


V-type Acousto-optic Q-switch Driver

<p>Product Overview:</p>	<p>V-type acousto-optic driver is an RF driver that provides supporting functions for acousto-optic Q switch, which is suitable for acousto-optic Q switching products with driving power less than 40W. It has the functions of digital modulation, analog modulation and first pulse suppression to help customers better realize the modulation and shaping of the beam. It has good heat dissipation and temperature stability to ensure the stable operation of the product.</p>		
<p>Performance characteristics:</p>	<ul style="list-style-type: none"> ●Fast response time ●Low power consumption ●High temperature stability and reliability 		
<p>Parameter</p>	<p>Unit</p>	<p>SGQ41-43-V-1DR-R</p>	<p>SGQ68-46-V-1DR-F</p>

Control interface specifications										
Interface diagram	—									
Pin	—	1	2	3	4	5	6	7	8	9
Definition	—	-	-	Vcc	Gnd	Digital modulation	Gnd	Vcc	Gnd	Analog modulation
Description	—	-	-	24V	Gnd	High level 3.3-5v; low level 0-0.2V@1kΩ	Gnd	24V	Gnd	0-5V@1kΩ
Note	—	The unmarked pins are suspended								
Interface type	—	DB9 male head								
RF output interface specifications										
Output signal frequency	MHz	40.68				68				
Frequency stability ratio	ppm	20								
Output signal power	W	≤ 20				≤ 40				
Rising and falling time	ns	<60								
Switching ratio	dB	≥ 40								
Harmonic suppression ratio	dBc	> 25								

Signal output standing wave ratio	—	≤ 1.3	
Whole machine specifications			
Working mode	—	R05 (First pulse suppression mode)	FPS(First pulse suppression mode)
working voltage	Vdc	24±1	
Maximum power consumption	W	60	100



Package V