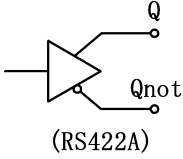
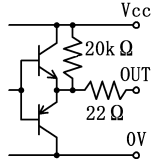




## Electrical Specifications

Item/Model	IRS620	IRS660	
Output Pulse	100, 200, 300, 500, 600, 900, 1000, 1024, 1200,	1500, 2000, 2048, 4096, 5000, 6000	
Supply Voltage (Vcc)	5V±0.5V	10.8V~26.4V	
Supply Current (No load)	≤70mA	≤70mA	
Output Type	Line Driver	Complementary	
Output Circuit	 <p>(RS422A)</p>		
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Output Voltage <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	H	≥2.4V	≥Vcc-4.0V
	L	≤0.5V	≤2.0V
Output Current	±10mA	≤40mA	
Max. Applied Voltage	—	—	
Min. Load Resistance	—	500Ω	
Rise Time	≤100ns	500ns(Typ.)	
Fall Time	≤100ns	100ns(Typ.)	
Response Frequency	0~300kHz	0~200kHz	
Bypass Capacitor(0V-FG)	0.22μF	0.22μF	
Bypass Capacitor (Vcc-FG)	0.22μF	0.22μF	
Determinate Time of ABZ signals	Output signal is not stable in 30ms after the power is on.		

IRS6 Series

## Mechanical Specifications

Mech. Perm. Speed	6000 <input checked="" type="checkbox"/>	r/min	
Starting Torque	≤0.05 <input checked="" type="checkbox"/>	N·m	at +25°C
Shaft Load	Radial	≤50 <input checked="" type="checkbox"/>	N
	Axial	≤50 <input checked="" type="checkbox"/>	N
Moment of Inertia	9.0 × 10 <sup>-6</sup> <input checked="" type="checkbox"/>	kg·m <sup>2</sup>	
Max. Accel. Speed	40000 <input checked="" type="checkbox"/>	rad/s <sup>2</sup>	
Connector	MS3102E20-29P(Equivalent)	Adopted plug <input checked="" type="checkbox"/> : MS3106B20-29S or equivalent (Not included) Adopted clamp <input checked="" type="checkbox"/> : MS3057-12A or equivalent (Not included) Plug with clamp <input checked="" type="checkbox"/> : MS3106E20-29S or equivalent	
Mass	Approx. 0.7 <input checked="" type="checkbox"/>	kg	

## Environmental Specifications

Operating Temperature	-20~+70 <input checked="" type="checkbox"/>	°C	Without Dewfall
Storage Temperature	-20~+85 <input checked="" type="checkbox"/>	°C	Without Dewfall
Vibration *1	100 <input checked="" type="checkbox"/>	m/s <sup>2</sup>	25~2000Hz, X·Y·Z Each Direction 2h
Shock *1	1000 <input checked="" type="checkbox"/>	m/s <sup>2</sup>	6ms, Half Sin Pulse, X·Y·Z Each Direction 2 Times
Protection Grade *1	IP66	Equivalent	

\*1 Test Conditions

Note Specifications subject to change without notice.

---

# HEIDENHAIN

<http://www.heidenhain.co.jp>

## HEIDENHAIN K.K.

Hulic Kojimachi Bldg., 9F  
3-2 Kojimachi , Chiyoda-ku,  
Tokyo 102-0083 Japan

☎ +81 (0)3 3234 7781

FAX +81 (0)3 3262 2539