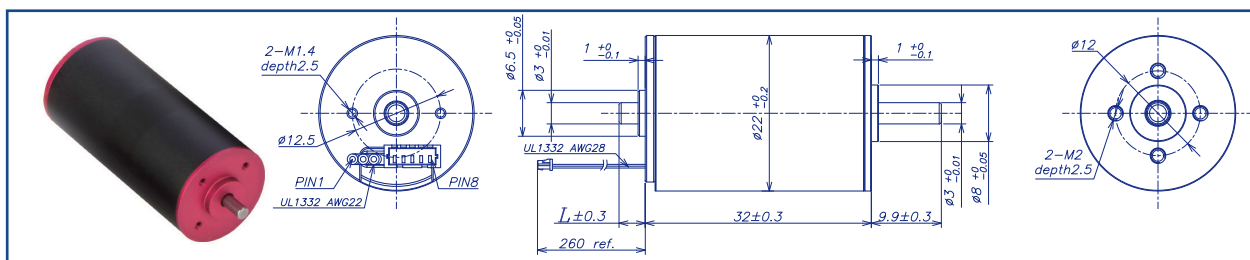


AM-BL2232BF Series



Brushless Motor		Ball Bearings	
Motor Model		0606	
Nominal voltage	V	6	
No load speed ±12%	rpm	5900	
No load current Max 150%	mA	120	
Recommend limit for continuous operating	Max cont. torque	mN.m	14.8
	Rated Speed	rpm	5070
	Rated Current	mA	1670
	Rated Power	W	7.9
Starting current	mA	10000	
Stall torque	mN.m	87	
Maximum power output	W	987	
Maximum Efficiency	%	79.9	
Terminal resistance ±12%	Ω	0.88	
Inductance (1KHz)	mH	-	
Mechanical time constant	ms	2.3	
Moment of inertia	gcm <sup>2</sup>	2.92	
Torque constant	mN.m/A	9.7	
Speed constant	rpm/V	987	
Speed/torque gradient	rpm/mN.m	56	
Weight	g	-	

ADDITIONAL INFORMATION					
Motor thermal resistance:	-K/W	Motor thermal time constant:	-S		
Axial (dynamic):	4.0 N	Radial (5mm from mounting face):	4.0 N		
Press-fit force (static):	60 N	Max allowable screw depth into flange:	2.5 mm		
Maximum radial play (5mm from mounting face):	≤0.02 mm	Axial play:	Preset		
Maximum winding temperature:	155°C	Ambient temperature range:	-40 to 65°C		
Standard rear shaft diameter:	3 mm	Standard rear shaft length "L":	0/3/7/5.5 mm		
Connection (AWG 22#)	<b>Total Length: L<sub>T</sub>=L<sub>1</sub>+L<sub>2</sub>+L<sub>3</sub></b>				
Cable 1: Yellow Winding A	L1:19GP	L1:24GP	L2:BL22	L3:EN16S	L3:EN16T
Cable 2: Red Winding B	18.8	24.0	32.0	10.7	12.0
Cable 3: Blue Winding C	23.6	34.3			
Plug definition (AWG 28#) Molex: 51021-0500	28.4	42.8			
Plug 1: Brown Hall 3~16V					
Plug 2: Black Hall GND					
Plug 3: Yellow Hall A					
Plug 4: Red Hall B					
Plug 5: Blue Hall C					
Remarks: Client can choose gearbox and encoder to match with this motor. Some combinations are listed here for reference.					
<p style="text-align: center;"><b>AM-BL2232BF Combination Scheme</b></p> <p>推荐齿轮箱: AM-19GP AM-22GP AM-24GP</p> <p>推荐编码器: 磁电编码器: AM-EN1611S*** 光电编码器: AM-EN1612T***</p> <p>For more combination specs, visit Assun Motor website.</p>					

Motor data tested at 25°C. Motor operation exceeding continuous limits will reduce life or result in damage.  
At elevated ambient temperatures, load current must be reduced.

Download datasheet: <https://assunmotor.com/documents-download>

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