SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MAIL:szss20@163.com





## Specifications

Type name		MES-6PC
Item		Pulse number
Supply voltage		DC5V ±10%
Current consumption		30mA or less (under no load)
Detection system		Incremental
Output pulse number (Standard) (Pulse number/rotation)		100 300 120 360 200 500
Output phase		A, B, Z phase
O Output form		Square wave, open collector output
O Output form		Sink current:4mA (output voltage resistance 7V) Residual voltage:0.4V or less
Maximum response frequency (response pulse number)		100kHz
Output phase difference		A, B phase difference $90^{\circ}\pm 45^{\circ}(T/4\pm T/8)$ Z phase T±T/2(see Output Waveform)
Waveform rise/fall time		$2\mu s$ or less (output cable 300mm or less)
Allowable load of shaft (electrical)	Radial	1.9N(200gf)
	Thrust	0.98N(100gf)
Maximum allowable revolutions (mechanical)		6,000r/min
Working ambient temperature/ humidity		0℃~60℃ RH35%~90% no dewing
Storing ambient temperature		−20°C~80°C
Vibration resistance		Durability 55Hz, double amplitude 1.5mm 2 hours each in X, Y, and Z directions
Impact resistance		Durability 500m/s <sup>2</sup> (about 50G) 3 times each in X, Y, and Z directions
mpact resista		5 times each in A, F, and Z directions
mpact resista Cable		Vinyl wire (AWG32) Cable length 300mm
	iupply voltage current consul petection syst Output pul- (Stan (Pulse numb Output pha Output form Output cap Maximum resp (response puls Output phas Output phas Output phas Output phas Vaveform ri Ilowable load of shaft (electrical) aximum allowab mechanical) /orking ambient tibration resis	Bupply voltage   Current consumption   Detection system   Output pulse number (Standard)   [Pulse number/rotation]   Output phase   Output form   Output capacity   Maximum response frequency (response pulse number)   Output phase difference   Waveform rise/fall time   Ilowable load of shaft (electrical)   Vorking ambient temperature/ umidity   toring ambient temperature   'ibration resistance

## Output waveform



## Output circuit diagram

