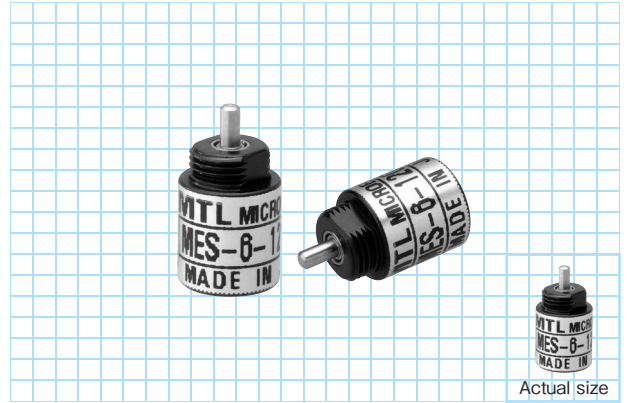


MES-6-P series

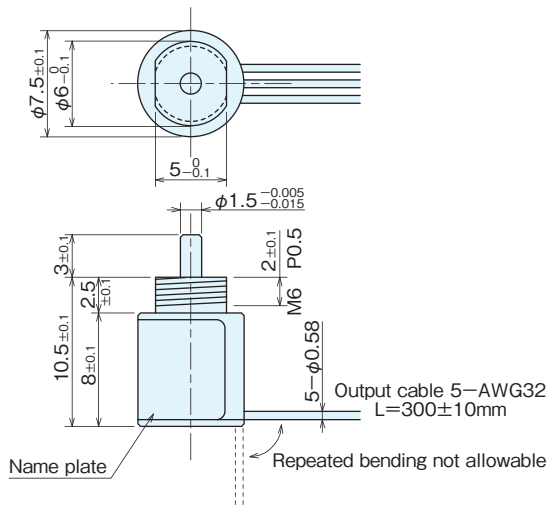
[Square Wave/Incremental]



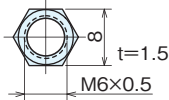
19th Kanagawa High-tech Grand-prix
Product that won the grand prize



Outside dimensions



Accessory (lock nut)

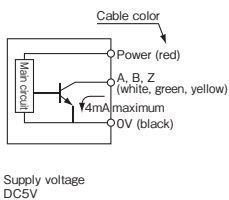


Specifications

Type name		MES-6-□PC
Item		Pulse number
Supply voltage	DC5V ±10%	
Current consumption	30mA or less (under no load)	
Detection system	Incremental	
Output	Output pulse number (Standard)	100 300
	[Pulse number/rotation]	120 360
		200 500
	Output phase	A, B, Z phase
Output form	Square wave, open collector output	
Output capacity	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°±45° (T/4±T/8) Z phase T±T/2 (see Output Waveform)	
Waveform rise/fall time	2μs 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°C~60°C 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 ² (about 50G) 3 times each in X, Y, and Z directions	
Cable	Vinyl wire (AWG32) Cable length 300mm	
Mass	5g	

Output circuit diagram

Open collector output



Output waveform

