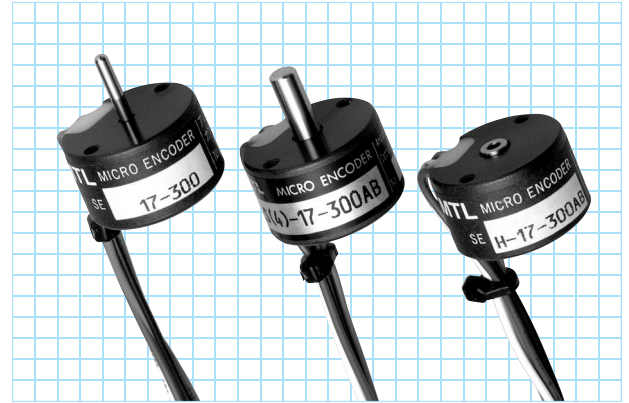
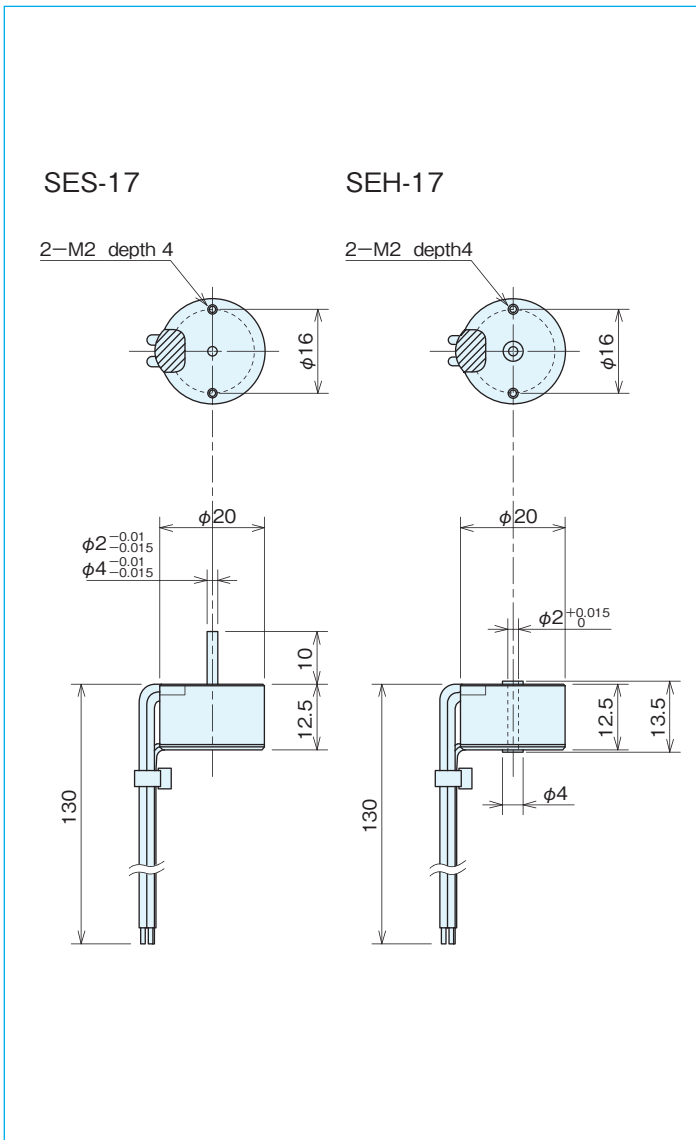


# SE-17 series

[Approximate Sine Wave/Incremental]



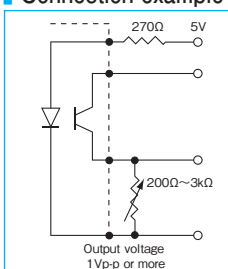
## Outside dimensions



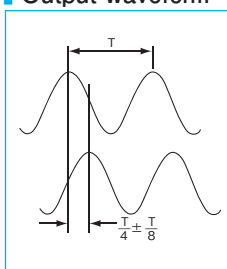
## Specifications

Type name		SE□-17-□□
Item	Supply voltage	DC5V $\pm 10\%$
	Current consumption	30mA (LED: maximum 20mA)
Detection system	Detection system	Incremental
	Output pulse number (Standard)	100, 200, 300, 360 (single phase only)
Output	Output phase	A phase, A, B phase
	Output form	Approximate sine wave
Output	Output capacity	—
	Maximum response frequency (response pulse number)	20kHz
Output	Output phase difference	A, B phase difference $90^\circ \pm 45^\circ$
	Waveform rise/fall time	—
Allowable load of shaft (electrical)	Radial	(2) 1.9N (200gf) / (4) 4.9N (500gf)
	Thrust	(2) 1.9N (200gf) / (4) 4.9N (500gf)
Maximum allowable revolutions (mechanical)		6,000r/min
Working ambient temperature/humidity		$0^\circ\text{C} \sim 50^\circ\text{C}$
Storing ambient temperature		$-20^\circ\text{C} \sim 80^\circ\text{C}$
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
Cable		Vinyl wire (AWG28) 130mm
Mass		20g (excluding cable)

## Connection example



## Output waveform



## Output circuit diagram

