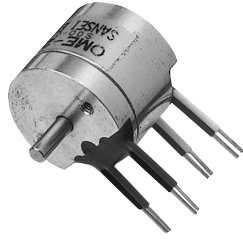


**MINIATURE TYPE**

**OME-T** Model



**Miniature Model**

- It is Possible to Align The Electric Zero with.
- Micro Encofer 18mm / Shaftdia : 2.5mm.

**Model**

OME---T

Resolution

Signals

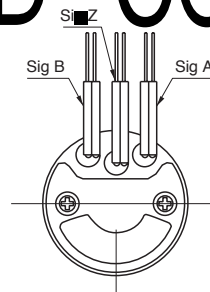
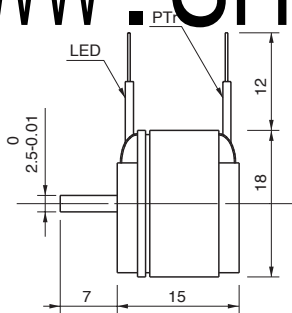
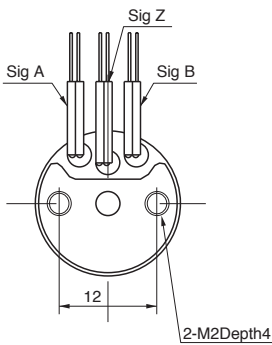
- 1: 1 Single
- 2 : AB90° Phase Difference
- 2M: AB90° Phase Difference + Zero Signal

NOTE ) Output Mode is Sine Wave Signal

100	100 P/R	256	256 P/R
200	200 P/R	300	300 P/R
250	250 P/R	360	360 P/R

**External Dimension**

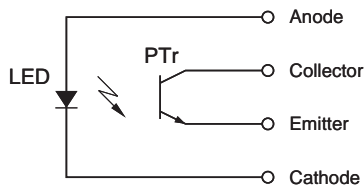
WWW.SHSSD.COM



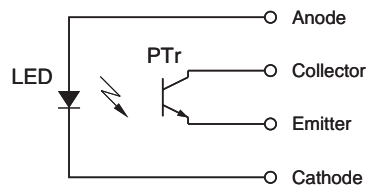
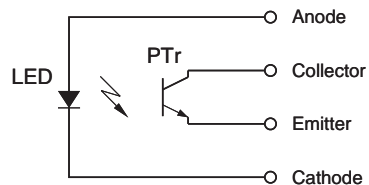
Install Without Stress on Wires.

**Circuit of Output Signal**

1T



2T



### Electrical Spec.

TYPE	1T	2T	2MT
LED Current	IF = 26 mA Max		
Maximum Frequency Response	10 KHz		
Output Signal Amplitude	150 mVp-p or More		
Output Amplitude Variation	40 % Max		

### Electrical Connections

Color of Lead Wire	Description
Red	Anode
Black	Cathode
Blue	Collector
White	Emitter

### Max. Rating of Electronic Elements

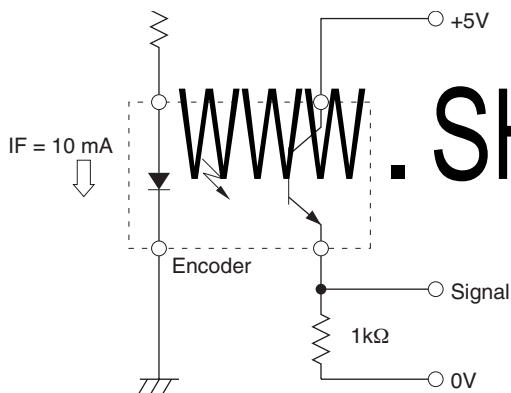
LED Light Emitting Diode

Max. Current Flow	IF ; 60 mA
Reverse Voltage	VR ; 4 V
Derate(25 to 70°C)	- 1.73 m W / °C

PT<sub>r</sub> Photo Transistor

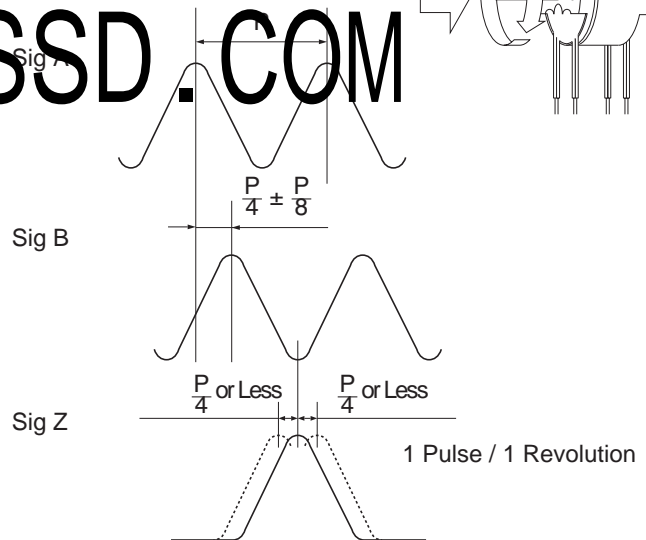
Collector-Emitter Voltage	V <sub>CEO</sub> ; 20 V
Emitter-Collector Voltage	V <sub>ECO</sub> ; 5 V
Collector Current	I <sub>c</sub> ; 20 mA
Collector Power Dissipation	P <sub>c</sub> ; 75 mW
Derate(25 to 75°C)	- 1.0 mW / °C

### Test Circuit



### Wave Form.

CW → Rotate Toward Clockwise Viewed from an Arrow



### Mechanical Spec.

Starting Torque	4.9×10 <sup>-4</sup> N · m Max	
Shaft Loading	Thrust axial	1.96N
	Radial	1.96N
Moment of Inertia	1×10 <sup>-8</sup> kg · m <sup>2</sup>	
Maximum RPM	6000r/min	
Net Weight	25g Max	

### Environmental Spec.

Operating Temperature	0°C ~ +50°C
Storage Temperature	- 20°C ~ +80°C
Humidity	RH 85% Max No Condensation
Vibration	10~50 Hz / 1.5mm 2 h
Shock	294m/s <sup>2</sup> , 11ms X, Y, Z Each 3 times
Degree of Protection	IP50