

**PART NUMBER:** MES6**DESCRIPTION:** incremental encoder**ELECTRICAL SPECIFICATIONS**

output waveform	Square Wave
output signals	A, B, Z phase
current consumption	≤30 mA
frequency response	0~100 KHz
output phase difference	A, B phase difference 90° ± 45° (T/4±T/8) Z phase T±T/2 (see output waveform)
supply voltage	5 V dc ± 10%
output resolution (ppr)	32, 100, 120, 200, 300, 360, 500
waveform rise/fall time	2μ or less (output cable 300mm or less)

MECHANICAL SPECIFICATIONS

max shaft load, radial:	1.9N (200gf)
axial:	0.98N (100gf)
starting torque	0.3 x 10 ⁻³ N·m (3 gf·cm)
max rotational speed	6000 RPM
shock resistance	500 m/s ² (50G), 3 times each on XYZ
vibration proof	55 Hz, double amplitude 1.5mm, 2 hours each on XYZ
weight	5g (with 300mm cable)
cable	Vinyl wire (AWG32) cable length 300mm

ENVIRONMENTAL SPECIFICATIONS

operating temp	0° to +60° C
storage temp	-20° to +80° C
humidity	RH 35%~90% non collecting

ORDERING INSTRUCTIONS

MES6 - XXXPC

Resolution (ppr):

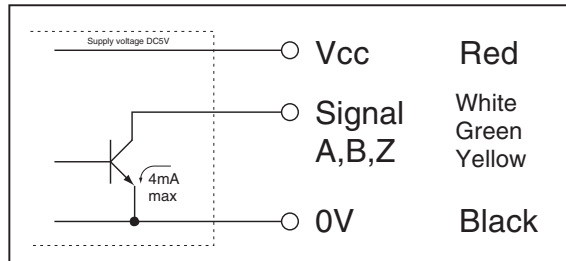
32 = 32 ppr
 100 = 100 ppr
 120 = 120 ppr
 200 = 200 ppr
 300 = 300 ppr
 360 = 360 ppr
 500 = 500 ppr

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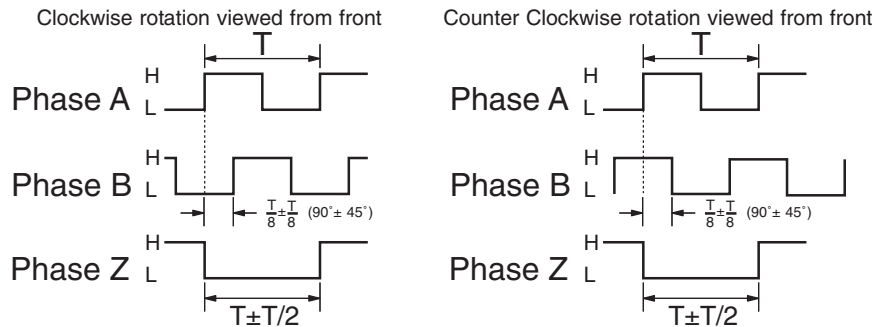
DESCRIPTION: incremental encoder

CIRCUIT CONNECTIONS

Open Collector Output



OUTPUT WAVEFORM



The position of Z phase against A, B phase is not specified

