



PART NUMBER: RE45V

DESCRIPTION: rotary encoder

ELECTRICAL SPECIFICATIONS

current consumption		80 mA max. (under no load)
output voltage	“H”	Vcc ~ 5 V min.
	“L”	0.5 V max.
supply voltage		5 V dc ±10%
output resolution (ppr)		25, 100

MECHANICAL SPECIFICATIONS

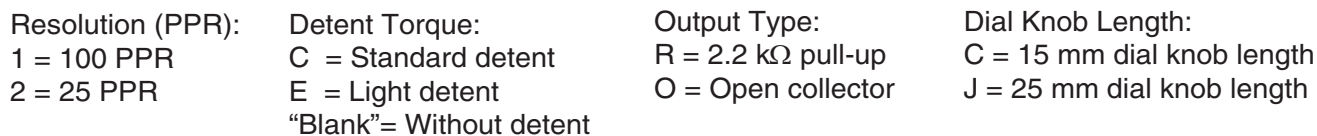
max shaft load, radial:	19.6 N (2 kgf)
axial:	19.6 N (2 kgf)
click torque	160 ~ 320 gf·cm
rotational life	1 x 10 ⁷ cycles
shock resistance	500 m/s ² (50 G), 11 ms, 3 times each on XYZ
vibration proof	10 ~ 55 Hz, 1.5mm, 2 hours each on XYZ

ENVIRONMENTAL SPECIFICATIONS

operating temp	-10° to +60° C
storage temp	-20° to +85° C
humidity	≤85% RH, no condensation

ORDERING INSTRUCTIONS

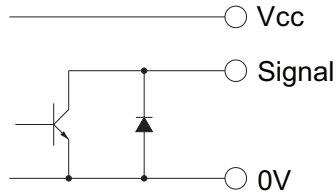
RE45VXXX5X1



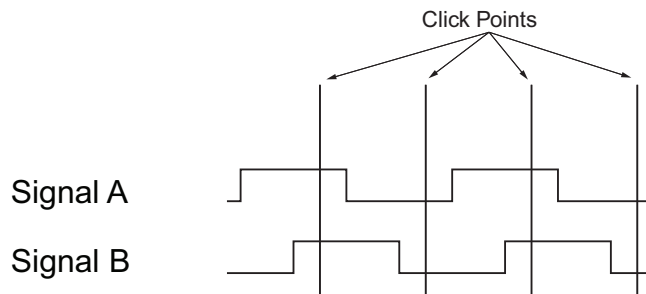
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CIRCUIT CONNECTION



OUTPUT WAVEFORM



MECHANICAL DRAWING

