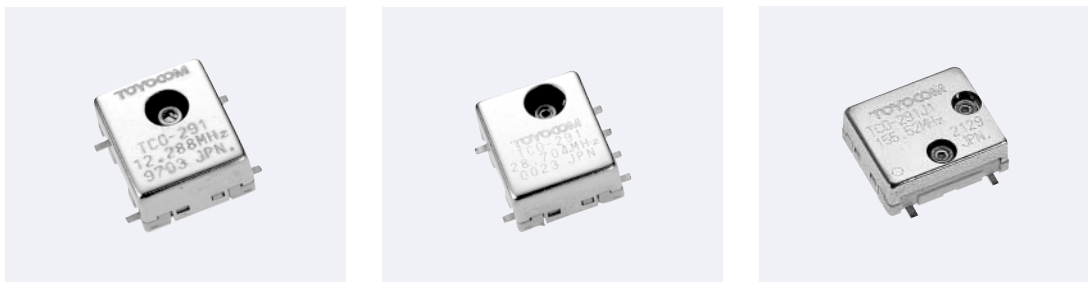


Product Data (VCXO)

TCO-291 Series

Features

- Wide frequency control range
- TTL compatible/Clipped sinewave output
- Small package size ( 11.4 × 9.6 × 5.0hmm : 0.55cc )
- High frequency/Small package size ( TCO-291J )

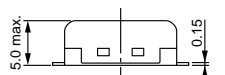
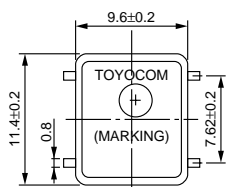


Specifications

Type	TCO-291A	TCO-291B	TCO-291J
Output frequency	12.0 ~ 26.0 MHz	12.0 ~ 51.84 MHz	52.0 ~ 155.52 MHz
Supply voltage	+5.0 V±5 %		
Supply current	5 mA Max	30 mA Max	20 mA Max
Output level	1 Vp-p Min( Clipped Sinewave, DC-Cut ) 10 kΩ // 10pF	TTL compatible ( Fanout-2 )	0 dBm Min / 50 Ω
Frequency stability	vs Temperature	±30 ppm Max / -20 ~ +70 °C ( referred to +25°C )	
	vs Supply voltage	±5.0 ppm Max / +5.0 V±5%	
	Aging	±3.0 ppm / year	±5.0 ppm / year
Frequency Control range	±100 ppm Min		
Frequency Control voltage	+2.5 V±2.5 V		+2.5 V±2.0 V
Pins	4	6	

Outline Drawing [ mm ]

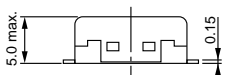
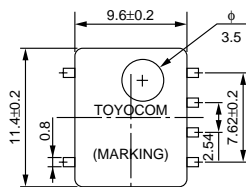
[TCO-291A]



Pin connections

1	Output
4	Vcc
5	Vcont
8	GND

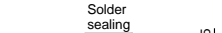
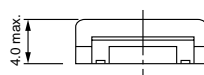
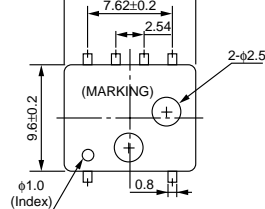
[TCO-291B]



Pin connections

1	Output
2, 5, 8	GND
3	Vcont
4	Vcc

[TCO-291J]



Pin connections

1	Output
2, 5, 8	GND
3	Vcont
4	Vcc