

NDK type 1600B series

A series of high reliability surface mount crystal oscillators, hermetically sealed and housed in a 4 terminal moulded package. Compatible with industry package types 10XO-57, SG-615 and 'H' pack. Operating from a 5Vdc supply they will directly drive CMOS/TTL. A stand-by function provides a in-state output. Supplied taped and reeled.

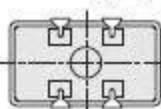
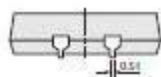
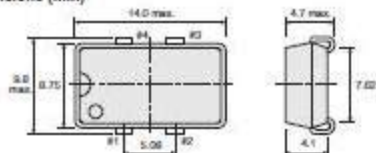


- High reliability
- 5V supply, CMOS/TTL compatible
- Tri-state output with stand-by
- Wide choice of frequencies available
- Hermetically sealed crystal unit
- Moulded package
- Supplied taped & reeled

Specification

Series	1629B	1631B	1632B	1633B	1634B	1635B
Supply voltage	5.0Vdc $\pm 10\%$					
Supply current	20mA	18mA	18mA	20mA	25mA	30mA
Output load (tanout)	10TTL or 15pF					
Frequency stability	± 50 ppm					
'0/1' levels	0.4Vmax / 4.5Vmin		0.5Vmax / 4.5Vmin			
Rise/fall times (0.1V _{DD} -0.9V _{DD})	5ns max./5ns max.					
Duty cycle (1/2V _{DD})	40 to 60%		45 to 55%			
Oper. temp. range	-30°C to +70°C					

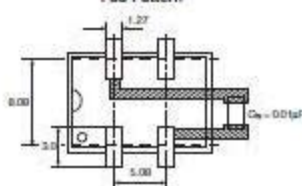
Dimensions (mm)



Connections

- #1 = Stand-by
- #2 = Ground
- #3 = Output
- #4 = V_{DD}

Pad Pattern



Frequency MHz	Applications	Compatibility CMOS TTL	Manf. Part No. & Anglia Order Code
3.579545	Modem	● ●	1629B035
3.6864	Micro & Modem	● ●	1629B037
4.0	Microprocessor	● ●	1629B040
4.096	Telecom & Modem	● ●	1629B0409
7.3728	Micro & Modem	● ●	1629B073
7.68	ISDN	● ●	1629B076
8.0	Microprocessor	● ●	1629B080
8.192	Telecom	● ●	1629B081
9.8304	Modem	● ●	1629B086
10.0	Micro & Satcom	● ●	1629B100
11.0592	Mobile Comm & Modem	● ●	1629B111
12.0	Microprocessor	● ●	1629B120
12.288	Ethernet, ISDN & MPEG	● ●	1629B122
12.8	Telecom	● ●	1629B128
13.0	GSM	● ●	1629B130
14.31818	Microprocessor	● ●	1629B143
14.7456	Micro, Modem & xDSL	● ●	1629B147
16.0	Microprocessor	● ●	1629B160
16.384	Telecom	● ●	1629B163
17.734475	PAL TV	● ●	1629B177
18.432	Micro, Modem, MPEG, DVD & STB	● ●	1629B184
19.44	SONET & Satcom	● ●	1629B194
20.0	Microprocessor	● ●	1629B200
24.0	Microprocessor	● ●	1629B240
24.576	MPEG & xDSL	● ●	1629B245
25.0	Micro & Gigabit Ethernet	● ●	1629B250
26.0	GSM	●	1631B260
27.0	MPEG, STB & DVD	●	1631B270
32.768	Telecom	●	1632B327
36.864	Telecom	●	1633B368
40.0	Micro & Ethernet	●	1633B400
50.0	Gigabit Ethernet & ADSL	●	1634B500
62.5	Gigabit Ethernet	●	1635B625

The table above lists a wide selection of popular frequencies. However, the entire range available extends from 1MHz to 70MHz. For details of other frequencies, please contact our Sales Desk.



Also available to special order - 1600D series suitable for a 3.3V supply