

Oscillator Choice



comparison of available 20 MHz TCXO type oscillators with LVCMOS output, temp. range -40°C to +85°C, surface mount, 5 x 3.2 mm

type	manufacturer	Vcc	Icc	frequency stability	rise / fall time	phase noise Offset @100kHz	short term Allan Variance	distributor / in stock (per octopart.com)	price @ 1000 pcs EUR
AST3TQ53-T-20.000MHZ-5-C	Abracon	3.3 V	6 mA	50 ppb	6 ns	-150 dBC/Hz	-	Mouser, 24	70.10
ML602-020.0M	Connor Winfield	3.3 V	6 mA	140 ppb	4..8 ns	-150 dBC/Hz	1.0 E-10 (1s)	Digi-Key, 281	22.16
LFTCXO063780	IQD Frequency Products	3.3V	10 mA	140 ppb	8 ns max	-148 dBC/Hz	-	Digi-Key, 36 Mouser, 9 Arrow, 2 Distrelec, 10	40.05 29.22 21.77 33.65
LFTCXO063788 (with frequency - pulling)	IQD Frequency Products	3.3V	10 mA	140 ppb	8 ns max	-148 dBC/Hz	-	Digi-Key, 8 Mouser, 2 Arrow, 8	40.05 29.23 32.74
SIT5356AI-FQ-33E0-20.000000X	SiTime	3.3 V	44 mA	100 ppb	3.5-4.6 ns	-154 dBC/Hz	1.8 E-10 (1s)	Digi-Key, 158 Farnell, 249 Arrow, 130 Verical, 130	48.38 50.30 45.68 49.11