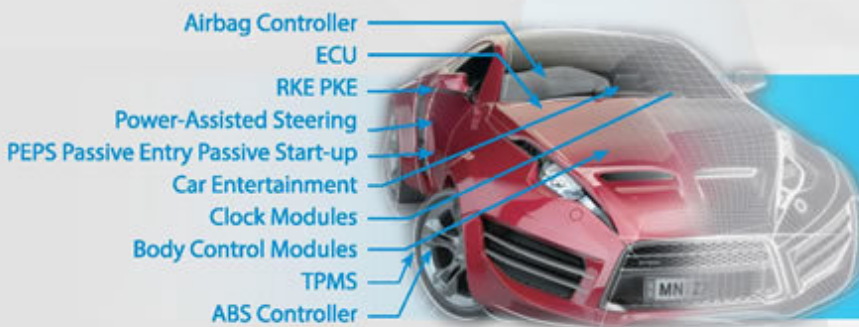


Quartz Crystal & Clock Oscillator Automotive and Autonomous Driving

Clock Oscillators for Autonomous Driving

Applications	Frequencies (MHz)	Output	Jitter RMS (ps)	Packages
10GbE PHY	156.25	HCSL, LVDS, LVPECL, CML	<0.35	3225XO, 2520XO
NVLink	156.25	HCSL, LVDS, LVPECL, CML	<0.25	3225XO, 2520XO
ECU	133.33	HCSL, LVDS, LVPECL, CML	<1	3225XO, 2520XO
PCIe Gen 1/2/3/4	100	HCSL, LVDS, LVPECL, CML	<0.5	3225XO, 2520XO
ADAS Camera System	27	CMOS		3225XO, 2520XO
Ethernet Switch	25	CMOS		3225XO, 2520XO



Strong Technical Support for Crystal Matching

- Drive Power
- Negative Resistance
- Load Capacitance

High Precision Crystals for Automotive Applications

Applications	Frequencies (MHz)	Packages
Airbag Controller	5, 40	49US, 3225SX, 2520SX
RKE	13.08, 13.56, 18.08	3225SX, 2520SX
TPMS	13.08, 13.56, 16, 18.08, 26	3225SX, 2520SX
Body Control Module, PEPS	8, 18.08, 24.305	49US, 5032SX, 3225SX, 2520SX
ABS Controller	8	49US, 5032SX
Rotary E-shifter	16, 40	3225SX, 2520SX
ECU	16, 40	3225SX, 2520SX
Bluetooth Module	16, 26, 32	3225SX, 2520SX
Driving Assistant System	16, 26	3225SX, 2520SX
Dashboard	4, 8	49US, 5032SX
Car Audio	13.2, 16, 27, 30	3225SX, 2520SX, 2016SX
Car Camera	27	3225SX, 2520SX, 2016SX
Car Alarm, Remote Starter	30	3225SX, 2520SX
Display	27	3225SX, 2520SX
Transceiver	16	3225SX, 2520SX
GPS Navigation System	8, 12, 27	49US, 5032SX, 3225SX, 2520SX

Remarks: for other applications, you are welcome to check with us for details!!



Hong Kong Automotive X'tals Ltd

AEC-Q200
Compliance



IATF16949:2016 Certificate IATF16949
ISO 14001:2015 Certificate SGS CN1713130
ISO 9001:2015 Certificate HK1790191
OHSAS 18001:2007 Certificate SGS CN1713131