



# Broadband Voltage Controlled Oscillators 4 to 18GHz

The content of this specification may change without notification 10/01/09



## Oscillators



Coaxial

### Broadband Voltage Controlled Oscillators 4 to 18GHz

P/N	Freq. Range (GHz)	Tuning Voltage (V)	Power Supply (V/mA)	Phase Noise @100KHz (dBc/Hz)	Harmonics (dBc)	Spurious (dBc)	Operating Temperature (°C)	Storage Temperature (°C)	Power Output (dBm)	Power Output Flatness (dBm)	Settling Time (µS)	Case
ZD4060	4 - 6	0 - +18	+15/200	-85	<-12	-60	-55 - +85	-60 - +90	10	±2	1	V2
ZD4080	4 - 8	0 - +20	+15/200	-85	<-12	-60	-55 - +85	-60 - +90	10	±2.5	1	V2
ZD6080	6 - 8	0 - +18	+15/200	-85	<-12	-60	-55 - +85	-60 - +90	10	±2	1	V2
ZD6090	6 - 9	0 - +20	+15/200	-85	<-12	-60	-55 - +85	-60 - +90	10	±2	1	V2
ZD7090	7 - 9	0 - +18	+15/200	-85	<-12	-60	-55 - +85	-60 - +90	10	±2	1	V2
ZD80100	8 - 10	0 - +18	+15/200	-70	<-15	-60	-55 - +85	-60 - +90	10	±2	1	V2,V3
ZD80120	8 - 12	0 - +25	+15/300	-70	<-15	-60	-55 - +70	-60 - +90	10	±2.5	1	V2,V3
ZS80120	8 - 12	0 - -12	+15/500	-85	(3/2 f <sub>0</sub> ) -15 (2 f <sub>0</sub> ) -15	-60	-55 - +70	-60 - +90	10	±2.5	1	V4
ZD100120	10 - 12	0 - +18	+15/200	-70	<-20	-60	-55 - +70	-60 - +90	10	±2	1	V2,V3
ZD120150	12 - 15	0 - +20	+15/200	-70	<-20	-60	-55 - +70	-60 - +90	10	±2	1	V2,V3
ZD120180	12 - 18	0 - +25	+15/300	-70	<-20	-60	-55 - +70	-60 - +90	10	±2.5	1	V2,V3
ZS120180	12 - 18	0 - -12	+15/500	-85	3/2 f <sub>0</sub> -15	-60	-55 - +70	-60 - +90	10	±2.5	1	V
ZD150180	15 - 18	0 - +20	+15/200	-70	<-20	-60	-55 - +70	-60 - +90	10	±2	1	V2,V3