

Microwave solid state

parametric amplifiers

book 1 part 8

Type No.	Description	Frequency Band	Gain (dB)	Noise Figure (dB)	Bandwidth (MHz)	Tuning Range (GHz)
CL9010	Single diode parametric amplifier with klystron or Gunn pump.	S	20	3.0	15	2.7 to 3.1
CL9022	Parametric amplifier with Gunn pump.	S	17	2.8	15	2.7 to 3.1
CL9070	Packaged parametric amplifier in temperature stabilised box, Gunn pump.	L	17	2.0	23	1.07 to 1.11

doppler modules

Type No.	Description	Centre Frequency (GHz)	Power Output (mW)	Typical Output Voltage (μ V)
CL8960	Doppler twin cavity modules for volumetric presence detection, industrial process control, proximity switching and similar applications.	10.687	8	40
CL8960U		10.687+3MHz	8	40
CL8960L		10.687-3MHz	8	40
CL8962		9.470	8	40
CL8963		10.525	8	40
CL8964		9.900	8	40
CL8965		10.565	8	40
CL8966		10.450	8	40
CL8967		10.365 \pm 15MHz	8	40

radar traffic sensors

Type No.	Description	Centre Frequency (GHz)	Power Output (mW)
CL8880N	Doppler radar with direction sense, designed to operate in conjunction with portable traffic light control systems	10.587	5
CL8880BN	As CL8880N but packaged for mounting on top of traffic light head.	10.587	5
CL8880BNC	As CL8880BN but with supply and signal lines passing through mounting foot to traffic light head.	10.587	5

horn antenna

Type No.	Frequency Range (GHz)	Gain (dB)	Beam Angle (both planes) (deg)
ACX-01A	9 to 11	16	30