

Short, medium and long pulse radar applications are served by the SGS-THOMSON product line of L-Band pulse devices. Featuring refractory-gold metallization for long-term reliability and system availability, these devices are housed in industry-standard hermetic packages and can be screened in accordance with MIL specifications.

850-1600 MHz CLASS C, PULSED, L-BAND RADAR APPLICATIONS

PART NUMBER	FREQ. (MHz)	P _{OUT} MIN. (W)	P _{IN} (W)	GAIN MIN. (dB)	η_c MIN. (%)	V _{CC} (V)	R _{TH(j-c)} MAX. (°C/W)	PULSE WIDTH (μSEC)	DUTY CYCLE (%)	PACKAGE STYLE
AM80814-005	850-1400	5.0	0.7	8.5	35	28	6.5	120	4	S064
AM80814-025	850-1400	25	5.0	7.0	38	35	2.3	120	4	S036
AM1214-300	1235-1365	270	63	6.3	40	50	0.24	50	4	S038
AM81214-006	1215-1400	5.5	0.5	9.0	47	28	9.0	1000	10	S064
AM81214-015	1215-1400	14.5	2.0	8.6	48	28	4.0	1000	10	S064
AM81214-030	1215-1400	26	5.0	7.2	40	28	2.4	1000	10	S064
AM81214-060	1215-1400	55	12	6.6	50	28	1.4	1000	10	S042
AM1214-100	1215-1400	100	25	6.0	50	28	0.55	100	10	S038
AM1214-175	1215-1400	160	30	7.3	45	40	0.45	150	5	S038
AM1214-200	1215-1400	200	40	7.0	45	40	0.23	150	5	M205
AM1214-325	1215-1400	325	75	6.4	38	50	0.10	13	2	S038
AM81416-020	1400-1600	17.6	4.0	6.4	45	20	3.0	CW	—	S036
AM1416-220	1450-1600	200	40	7.0	35	50	0.15	10	10	M239