

**S-BAND RADAR TRANSISTORS**

The industry leader in S-Band Power, SGS-THOMSON offers a complete line of short, medium and long pulse transistors for civil and military radar applications up to 3.5 GHz. Refractory gold metallization and emitter site-ballasting ensure superior long-term reliability.

**2700-3500 MHz CLASS C, COMMON BASE, PULSED, S-BAND RADAR**

PART NUMBER	FREQ. (MHz)	P <sub>OUT</sub> MIN. (W)	P <sub>IN</sub> (W)	GAIN MIN. (dB)	$\eta_C$ MIN. (%)	V <sub>CC</sub> (V)	R <sub>TH(j-c)</sub> MAX. (°C/W)	PULSE WIDTH (μSEC)	DUTY CYCLE (%)	PACKAGE STYLE
AM2729-110	2700-2900	105	23.5	6.5	33	40	0.4	50	10	S138
AM2729-125	2700-2900	125	25	7.0	35	40	0.35	50	10	S038
AM82731-003	2700-3100	3.0	0.80	5.7	27	30	6.5	100	10	S042
AM82731-006	2700-3100	5.5	1.5	5.6	27	30	3.75	100	10	S042
AM82731-012	2700-3100	12	3.0	6.0	30	40	4.0	100	10	S036
AM82731-025	2700-3100	25	6.0	6.2	30	40	2.0	100	10	S036
AM82731-050	2700-3100	50	12.5	6.0	30	40	0.75	100	10	S036
AM2931-110	2900-3100	105	25	6.2	32	42	0.40	50	10	S138
AM2931-125 <sup>†</sup>	2900-3100	125	25	7.0	35	42	0.35	50	10	S038
AM83135-001	3100-3500	1.0	0.30	5.2	27	30	13.0	100	10	S042
AM83135-003	3100-3500	3.0	0.80	5.7	27	30	6.5	100	10	S042
AM83135-005	3100-3500	5.0	1.5	5.2	27	30	3.75	100	10	S042
AM83135-010	3100-3500	10	3.2	5.0	30	40	4.0	100	10	S064
AM83135-015	3100-3500	15	4.5	5.2	30	40	2.8	100	10	S064
AM83135-030	3100-3500	30	8.5	5.5	30	40	1.5	100	10	S064
AM83135-040	3100-3500	40	12.5	5.1	30	40	1.2	100	10	S064
AM83135-050	3100-3500	50	15	5.2	30	42	0.40	10	10	S064

<sup>†</sup> In Development