

SGS-THOMSON pulsed transistors are characterized for a variety of pulse widths in specific UHF frequency bands. All devices have internal impedance matching and are housed in hermetic packages. The long-term reliability provided by our proven refractory-gold metallization ensures maximum system availability.

400-950 MHz CLASS C, COMMON BASE, PULSED, UHF 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
SD1563	400-500	300	33	9.6	50	40	0.20	250	10	M106
SD1565	400-500	500	54	9.7	50	40	0.15	250	10	M102
AM0608-020	600-750	20	2.5	9.0	40	35	1.5	10	1	S064
AM0608-070	600-750	70	13	7.3	35	50	0.60	10	1	S064
AM0608-200	600-750	220	30	8.7	40	50	0.20	10	1	S042
AM0608-450	600-750	445	90	6.9	40	50	0.13	10	1	S038

* Common Emitter