

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
<u>SD1563</u>	400-500	300	33	9.6	50	40	0.20	250	10	M106
<u>SD1565</u>	400-500	500	54	9.7	50	40	0.15	250	10	M102
<u>AM0608-200</u>	600-750	220	30	8.7	40	50	0.20	10	1	S042
<u>AM0608-450</u>	600-750	445	90	6.9	40	50	0.13	10	1	S038

* Common Emitter