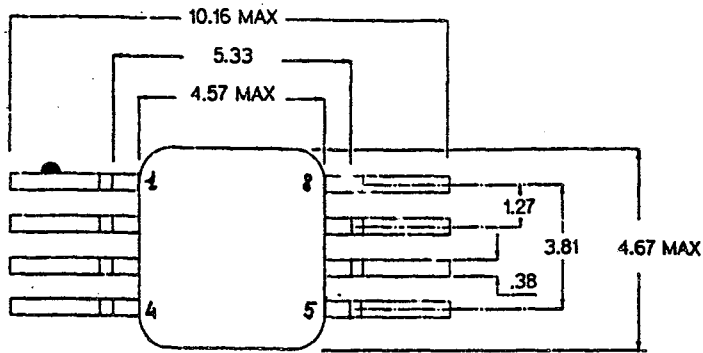
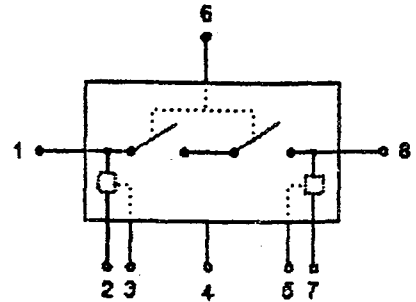


DISEGNO INDICATIVO FUORI SCALA

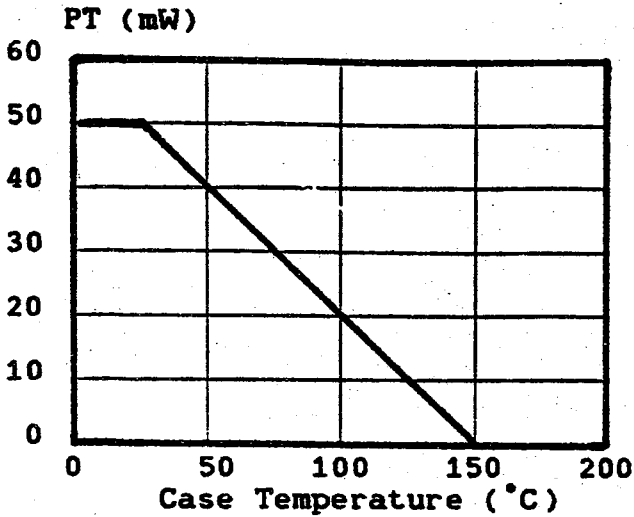


SIMBOLO GRAFICO

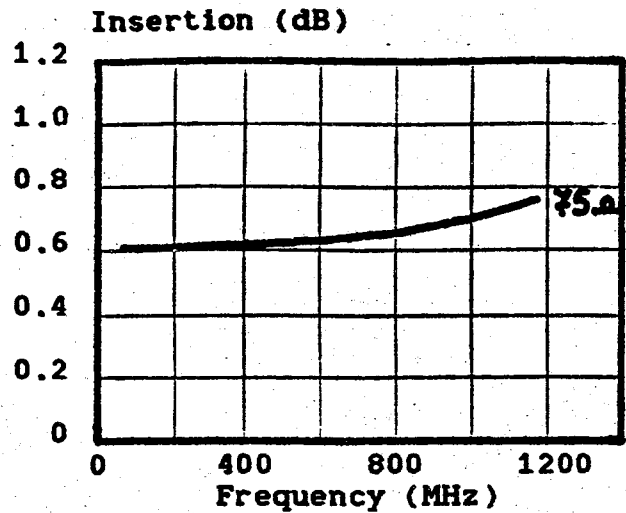


- 1 = Input RF
- 2 = Term. 1
- 3 = Vg2(1°st.)
- 4 = GND
- 5 = Vg2(2°st.)
- 6 = Vg1
- 7 = Term. 2
- 8 = Output RF

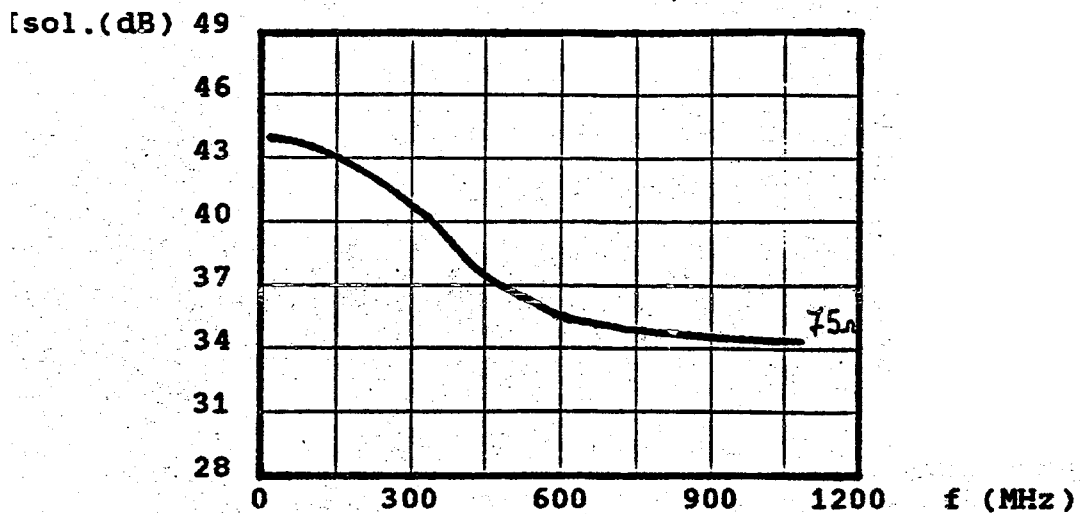
POWER DERATING CURVE



INSERTION LOSS vs FREQUENCY



ISOLATION vs FREQUENCY



ABSOLUTE MAXIMUM RATINGS (Ambient Temperature $T_a=25^\circ\text{C}$)

Parameters	Symbol	Conditions	Rating	Unit
DC Positive Input Voltage	+Vg		+0.5	V
DC Negative Input Voltage	-Vg		-6.0	V
Total Power Dissipation	PT	TC = 25°C	50	mW
Storage Temperature	Tstg		-65 +150	°C
Channel Temperature	Tch		150	°C
Input Power	Pin		20	dBm

ELECTRICAL CHARACTERISTICS (Ambient Temperature $T_a=25^\circ\text{C}$)

Parameters	Symbol	Test Conditions	Limit			Unit
			Min	Typ	Max	
Frequency Range	f		DC	-	500	MHz
Output Power at 1dB Compression Point	P1dB	Vg1=0V Vg2=-5V	10	-	-	dBm
Insertion Loss	IL	Vg1=0V Vg2=-5V f = 500 MHz	-	0.6	0.85	dB
Isolation	Is	Vg1=-5V Vg2=0V f = 500 MHz	35	40	-	dB
Input Return Loss	S11	Vg1=0V Vg2=-5V	21	24	-	dB
		Vg1=-5V Vg2=0V	36	-	-	dB
Output Return Loss	S22	Vg1=0V Vg2=-5V	21	24	-	dB
		Vg1=-5V Vg2=0V	36	-	-	dB
Switching Time	toff-on		-	40	-	nS
Control Voltage Logic 0	Vgoff		-4.7	-5	-6	V
Control Voltage Logic 1	Vgon		-0.1	0	0.5	V

N.B. : Tutte le misure sono riferite ad una impedenza caratteristica di 75 ohm