

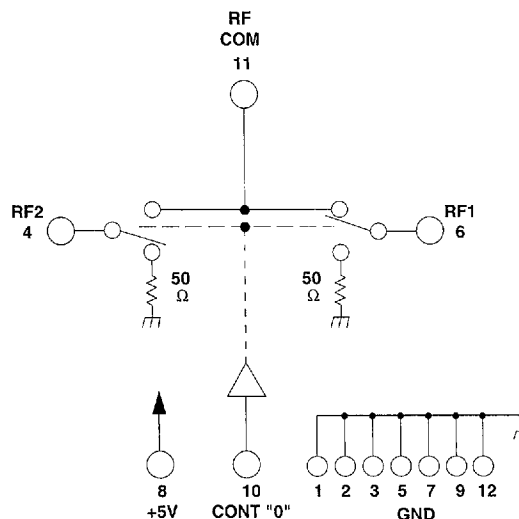
- 10 - 1000 MHz
- 0.7 dB Insertion Loss
- Non-Reflective
- TTL Driver
- 12 Pin SMP
- See DS0812 For T0-8 Version



The drawing consists of three main views: a top view (left), a side view (middle), and a cross-sectional view (right).

- Top View:** Shows a central square feature with rounded corners. Dimensions include overall width and height of .530 ± .010, lead widths of .100, and various internal offsets like .060 ± .010 and .005 ± .002 TYP.
- Side View:** Shows the profile of the component with a maximum thickness of .520 MAX SQ. and a lead thickness of .025.
- Cross-Sectional View:** Provides a detailed look at the internal structure, including a shaded area representing a metalized ground plane (gold plated). It shows lead heights of .380 and .340 SQ., and various layer thicknesses such as .015 TYP, .060 ± .010 TYP, and .043 TYP.

Additional notes specify that the shaded area is a METALIZED GND PLANE (GOLD PLATED) and that the GND PLANE AND BOTTOM SURFACE OF LEADS ARE FLUSH WITH SAME SURFACE.



PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
OPERATING FREQUENCY	10		1000	MHz	
DC CURRENT		2	5	mA	AT +5 VDC SUPPLY
CONTROL TYPE		TTL			1 LINE LOGIC "0" = RF COM TO RF 1 LOGIC "1" = RF COM TO RF 2
CONTROL CURRENT:	HIGH LOW	0 0	+10 ±10	μ A μ A	V _{IH} = +3.0V V _{IL} = +0.5V
INSERTION LOSS		0.4 0.7	0.7 1.0	dB dB	10 - 100 MHz 100 - 1000 MHz
ISOLATION	50 40 25	61 50 32		dB dB dB	10 - 100 MHz 100 - 300 MHz 300 - 1000 MHz
VSWR:	THRU TERMINATION	1.1/1 1.2/1	1.4/1 1.4/1		
IMPEDANCE		50		OHMS	
SWITCHING SPEED		30	50	n SEC	50% TTL TO 90% / 10% RF
TRANSITION (RISE/FALL) TIME		15		n SEC	90% / 10% OR 10% / 90% RF
SWITCHING (VIDEO) TRANSIENTS		21	50	mV	PEAK VALUE
INTERCEPT POINTS	2ND 3RD	+89 +50		dBm dBm	70 MHz / 50 MHz 35 MHz / 50 MHz
RF POWER:	OPERATE NO DAMAGE	+19	+13 +30	dBm dBm	0.1 dB COMPRESSION
OPERATING TEMPERATURE	-55	+25	+125	°C	TA