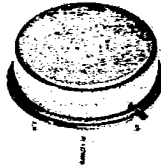


OS-10

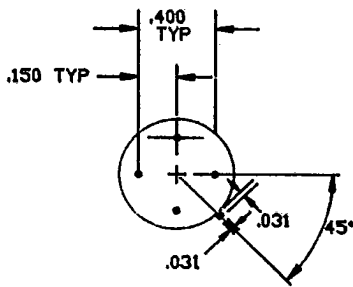
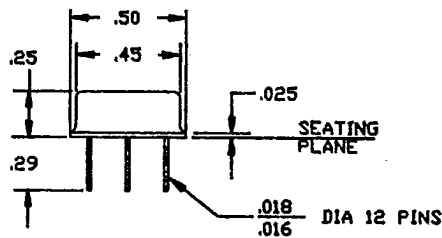
T-51-11



10 to 500 MHz SPST Reflective Switch

- Hermetic Enclosure
- High Speed Switching
- High On/Off Ratio

Outline Drawing



Absolute Maximum Ratings

Ambient Operating Temperature-54°C to + 100°C
 Storage Temperature-65°C to + 125°C
 Maximum DC Voltage +6 Volts

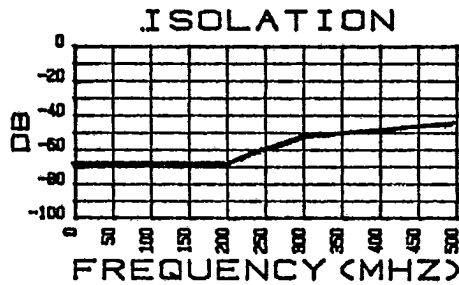
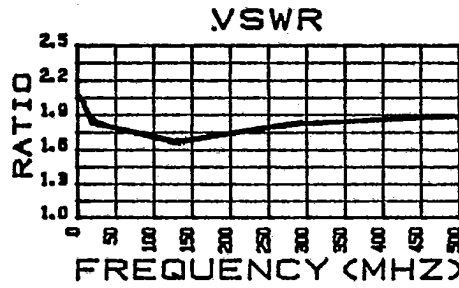
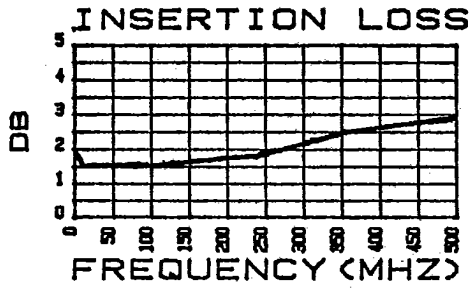
Electrical Specifications @ 25°C

PARAMETER	TYP.	MIN.	MAX.
Frequency Range, MHz	---	10-500	---
Insertion Loss			
10-100 MHz	1.7dB	---	2.7dB
100-300 MHz	2.1dB	---	3.0dB
300-500 MHz	2.8dB	---	4.5dB
Isolation			
10-100 MHz	67dB	52.0dB	---
100-300 MHz	54.0dB	48.0dB	---
300-500 MHz	45.0dB	36.0dB	---
VSWR	1.8:1	---	2.5:1
Switching Speed	5nsec	---	10nsec
RF Power-Operational	---	---	+10dBm
RF Power-Non-Destruct	---	---	+30dBm

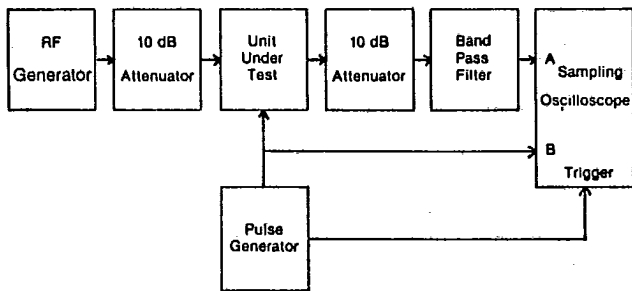
SWITCHING CONDITIONS

ON	OFF
+20ma	-20ma
≈ +1.0V	≈ -1.0V

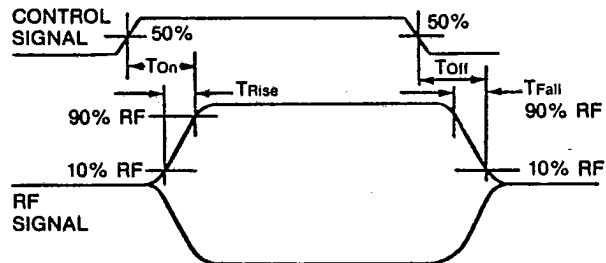
Typical Performance



Test Set-Up



Switching Parameters



- T_{Rise} = Rise Time = Time for RF signal to rise from 10% to 90% of the maximum "on" level.
- T_{Fall} = Fall Time = Time for RF signal to fall from 90% to 10% of the maximum "on" level.
- T_{On} = On Time = Time from 50% of the control pulse to 90% of the maximum "on" level.
- T_{Off} = Off Time = Time from 50% of the control pulse to 10% of the maximum "on" level.