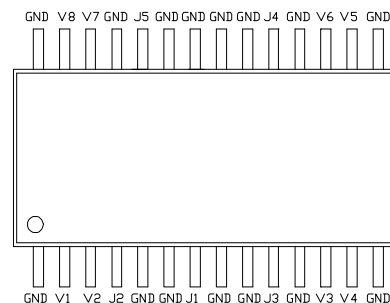


FEATURES

- QSOP-28 lead package
- Non-Reflective
- Low DC Power Consumption
- Positive Control when “floated” with capacitors
- Self-Aligned MSAG® MESFET Process



Description

This is a low-loss SP4T, switch in a 28 lead QSOP package. 100 pF bypass capacitors are required on all RF lines to achieve positive control

Maximum Ratings (T_A = 25 °C unless otherwise noted)

Rating	Symbol	Value	Unit
RF input power	J _{1,2,3}		
Control Voltage	V _{1,2}		
Junction Temperature	T _J	+150	°C
Storage Temperature	T _{STG}	-40 to +150	°C

ELECTRICAL SPECIFICATIONS AT 25 DEGREES C (0,+3)

Parameter	Frequency	Min.	Typ.	Max.	Unit
Insertion Loss	DC-0.5 GHz		0.8	1.1	dB
	DC-1.0 GHz		1.0	1.4	dB
	DC-2.0 GHz		1.3	1.6	dB
Isolation	DC-0.5 GHz	40	43		dB
	DC-1.0 GHz	34	37		dB
	DC-2.0 GHz	24	27		dB
VSWR	DC-0.5 GHz		1.3:1	1.5:1	
	DC-1.0 GHz		1.5:1	1.7:1	
	DC-2.0GHz		1.7:1	1.9:1	

OPERATING CHARACTERISTICS AT 25 DEGREES C (0, +3)

Parameter	Condition	Freq.	Min.	Typ.	Max.	Unit
Switching Characteristics	Rise, Fall (10/90% or 90/10% RF)			15		nS
	On, Off (50% CTL to 90/10% RF)			35		nS
	Video Feedthru			30		mV
Input Power for 1 dB Compression (5V)		0.50-3.0 GHz		+27		dBm
Intermodulation Intercept Point (IP3)	For Two-tone Input Power +5 dBm	0.50-3.0 GHz		+40		V

