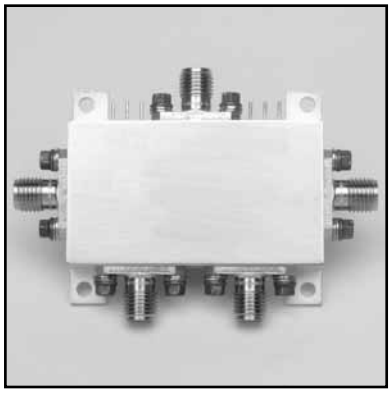


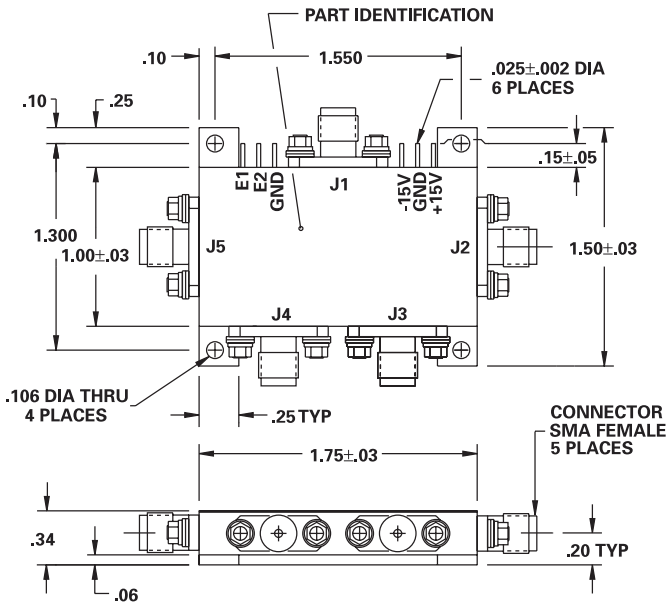
MODEL NUMBER
DSW46190

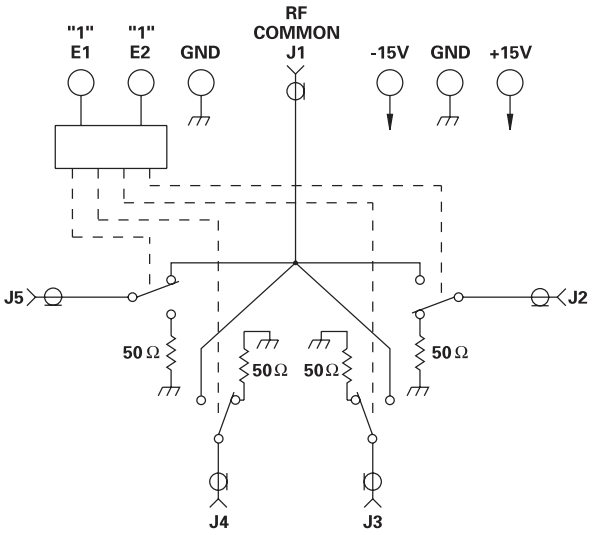
GaAs SP4T

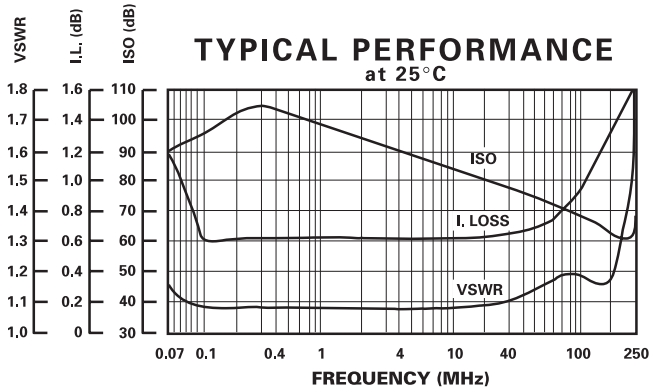
FEATURES

- 0.1- 150 MHz
- High Speed
- High Intercept Points
- SMA Connectors

SP4T







LOGIC TABLE		
E2	E1	RF PATH
0	0	J1-J2
0	1	J1-J3
1	0	J1-J4
1	1	J1-J5

GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		0.1		150	MHz	
DC Current			13.2	20	mA	At +15 VDC Supply
			11.1	20	mA	At -15 VDC Supply
Control Type			TTL			See Logic Chart
Control Current	*High*		±1.0	±100	µA	VIH = +2.7V
	Low		±1.0	±100	µA	VIL = +0.5V
Isolation		60	65		dB	
Insertion Loss			1.2	1.4	dB	
Insertion Loss Variation Port To Port			0.06	0.1	dB	Between J2 and any other Port
Phase Difference Port to Port			4	10	deg	Between Port J2 and any other Port
VSWR	*Thru*		1.17/1	1.5/1		
	Termination		1.17/1	1.5/1		
Impedance			50		OHMS	
Switching Speed			186	500	nSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			116		nSEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients			18		mV	In 3 KHz BW at 1 KHz PRF
Intercept Points	*2nd*	+81	+92		dBm	MHz (Two Tone Outputs
	3rd	+36	+54		dBm	At +10 dBm)
RF Power	*Operate*		+10.6		dBm	(0.1 dB Compression)
			+21.6	+18	dBm	(1.0 dB Compression)
	No Damage			+30	dBm	
Operating Temperature		-40	+25	+85	°C	TA