

FEATURES

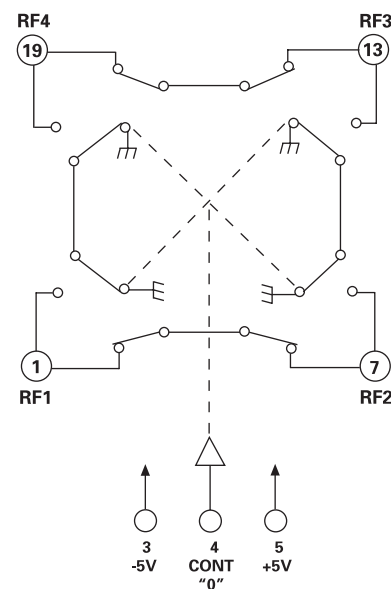
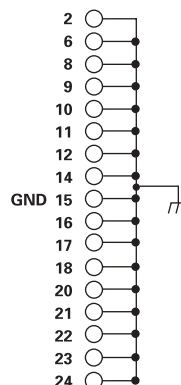
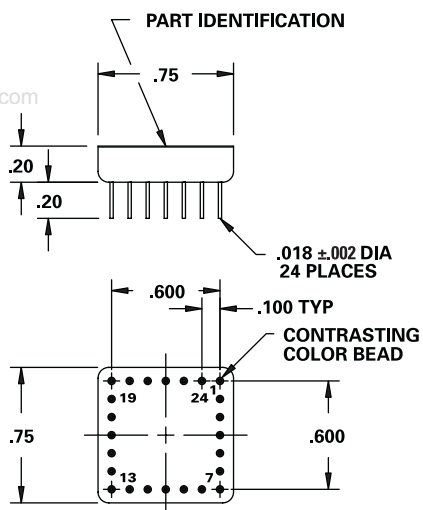
- 5 - 1000 MHz
- High Intercept Points
- +21 dBm 0.1 dB Compression Point
- TTL Control
- <5mA, ± 5 VDC
- 20 nSec Switching Speed



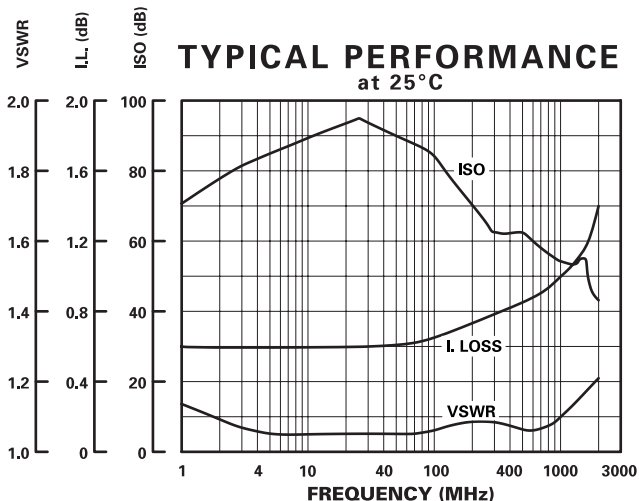
**MODEL NO.
DSWT1981**

GaAs Transfer Switch

XFER



N/C=NO INTERNAL CONNECTION



LOGIC TABLE	
CTL	FUNCTION
"1"	RF1 TO RF2 RF3 TO RF4
"0"	RF1 TO RF4 RF2 TO RF3

GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	5		1000	MHz	
DC Current		2.6 0.2	6 2	mA	At +5 VDC Supply At -5 VDC Supply
Control Type		TTL			1 Line
Control Current		1.0 1.0	± 10 ± 10	μ A	$V_{IH} = +2.7V$ $V_{IL} = +0.5V$
Insertion Loss		1.0	1.5	dB	
Isolation	50 45	62 54		dB	5 - 500 MHz 500 - 1000 MHz
VSWR		1.10/1	1.5/1		
Impedance		50		OHMS	
Switching Speed		30	50	nSEC	50% TTL - 90% / 10% RF
Transition (Rise/Fall) Time		12	30	nSEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients		40	300	mV	Peak Value
Intercept Points	2nd 3rd	+80 +47		dBm	6.05 / 1.55 MHz 3.025 / 1.55 MHz
RF Power	Operate No Damage	+19 +22	+12 +15	dBm	0.1 dB Compression 1 dB Compression
Operating Temperature	-55	+25	+125	°C	TA