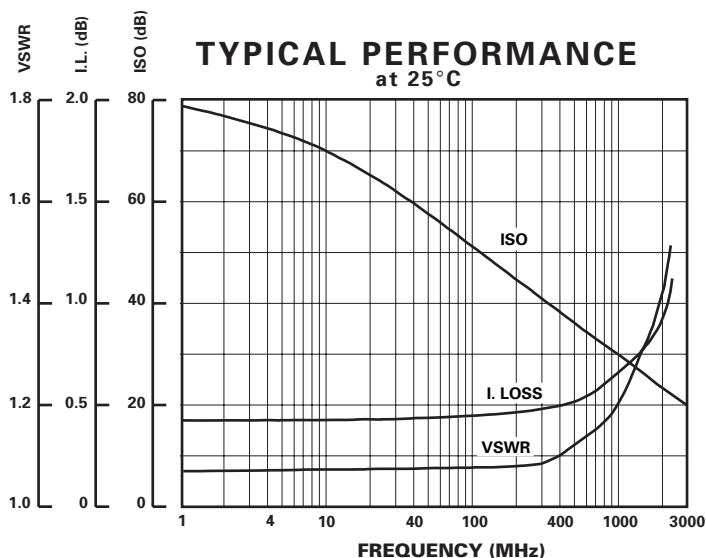
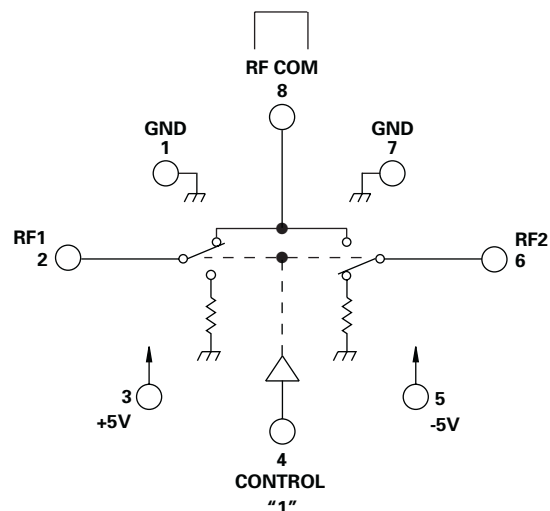
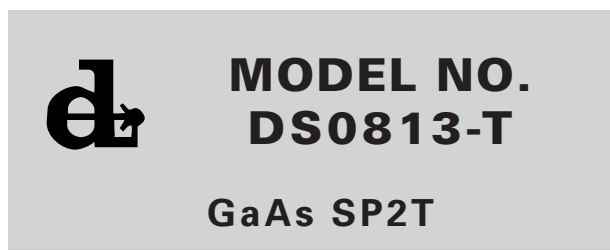
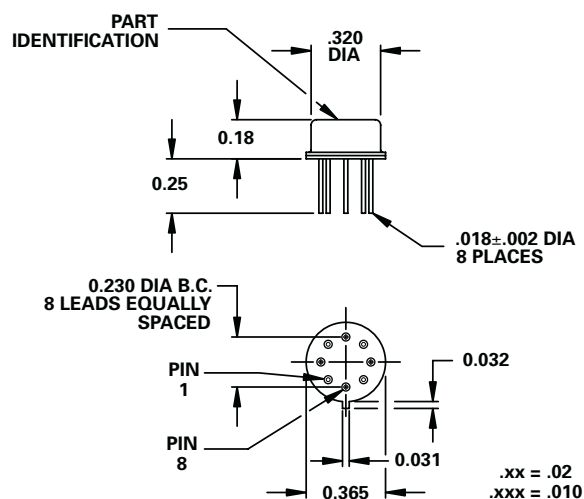


- DC - 2000 MHz
- < 2 mA, ± 5 VDC
- 27 nSec Transition Time
- Ultra Small TO-5 Package
- Non-Reflective
- TTL Driver
- See DS0850-T For Driverless Version
- Low Cost



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	DC		2000	MHz	
DC Current		2 1	4 2	mA mA	At +5 VDC Supply At -5 VDC Supply
Control Type		TTL			1 Line Logic "0" = RF Com to RF 2 Logic "1" = RF Com to RF 1
Control Current	High Low	1 1	±40 ±40	µA µA	V _{IH} = +2.7V V _{IL} = +0.5V
Insertion Loss		0.7 0.9	0.9 1.2	dB dB	DC - 500 MHz 500 - 2000 MHz
Isolation	40 30 20	50 36 24		dB dB dB	DC - 100 MHz 100 - 500 MHz 500 - 2000 MHz
VSWR	Thru Termination	1.1/1 1.5/1 1.1/1 1.5/1	1.3/1 1.7/1 1.3/1 1.7/1		DC - 500 MHz 500 - 2000 MHz DC - 500 MHz 500 - 2000 MHz
Impedance		50		OHMS	
Switching Speed		65	150	nSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		27		nSEC	90% / 10% or 10% / 90% RF
Switching (Video) Transients		8		mV	Peak Value
Intercept Points	2nd 3rd	+85 +47		dBm dBm	214 MHz / 127 MHz 107 MHz / 127 MHz
RF Power	Operate No Damage	+12	+10 +30	dBm dBm	0.1 dB Comp. Above 20 MHz
Operating Temperature	-55	+25	+125	°C	TA