

Switches, with TTL Drivers

A-29-25
7-51-11

SPDT/SP4T

pin diode

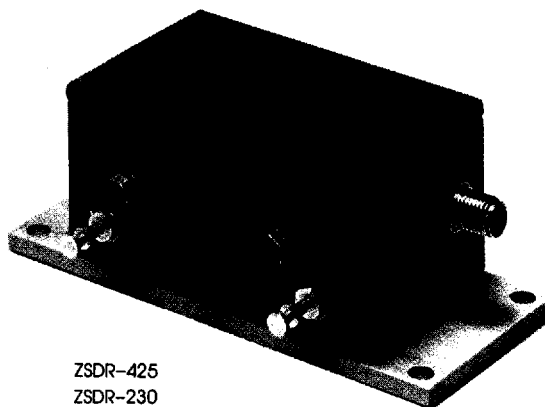
10 to 3000 MHz

case style selection

outline drawings see Table of Contents



TOSW



ZSDR-425

ZSDR-230

MODEL NO.		TYPE	FREQUENCY MHz f_L - f_U	INSERTION LOSS dB				IN-OUT ISOLATION dB						PRICE \$ Qty. (1-9)	DISTRIBUTOR	
				low-band		upper band		L		M		U			FACTORY	LOCAL
				Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.			
TOSW	TOSW-230	SPDT	10-3000	1.3	1.9	1.8	2.7	60	40	40	28	35	22	49.95	●	●
case QQ96	TOSW-425	SP4T	10-2500	1.1	1.7	1.5	2.5	60	40	40	30	35	22	69.95	●	●
ZSDR																
case CCC-127	ZSDR-230	SPDT	10-3000	1.3	1.9	1.8	2.7	60	40	40	28	35	22	89.95	●	
case GGG-126	ZSDR-425	SP4T	10-2500	1.1	1.7	1.5	2.5	60	40	40	30	35	22	109.95	●	

L=low range (f_L to $10 f_L$) M=mid range ($10 f_L$ to $f_U/2$) U=upper range ($f_U/2$ to f_U)
 lw=low band (f_L to $f_U/2$)

ADDITIONAL SPECIFICATIONS

VSWR ("on" state): typ. 1.3, 1.6 max.

Switching time (μ sec): all switches, typ. 2.0, 4.0 max.

Max. RF input for all switches: 20 dBm for low range, 28 dBm for mid range, & 30 dBm for upper range.

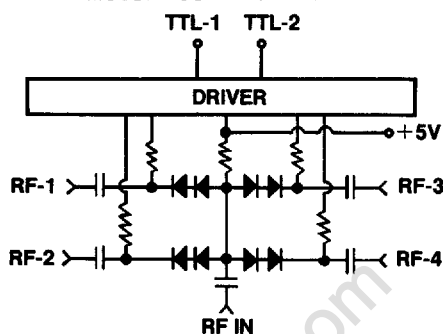
Supply voltage for all switches, +5V (10 mA max.)

1 dB compression point for all switches: from 10-100 MHz increase from 6 to 19 dBm. Above 100 MHz, 19 dBm min.

TTL input high threshold 2 volts min.

TTL input low threshold 0.8 volts max.

MODEL TOSW-425 & ZSDR-425



TTL LOGIC FOR ZSDR-425 & TOSW-425

	TTL-1	TTL-2
RF-1	1	0
RF-2	1	1
RF-3	0	1
RF-4	0	0

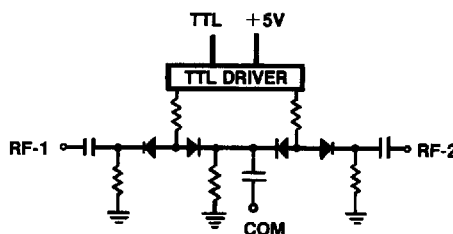
pin connections

see case style outline drawings

Series	TOSW	
Models	425	230
RF IN	8	8
RF-1	4	5
RF-2	6	11
RF-3	10	—
RF-4	12	—
TTL-1	2	3*
TTL-2	3	—
+5 VDC	1	1
CASE GND	5,7,9,11	2,4,6,7,9,10,12

*TTL: pin 3

MODEL TOSW-230 & ZSDR-230



TTL LOGIC FOR ZSDR-230 & TOSW-230

TTL 1:	RF-1/OFF	RF-2/ON
TTL 0:	RF-1/ON	RF-2/OFF

NOTES:

1. Refer to Table of Contents for quality control procedures, environmental specifications, absolute maximum ratings, and hi-rel testing
2. Prices and specifications subject to change without notice.