

FEATURES

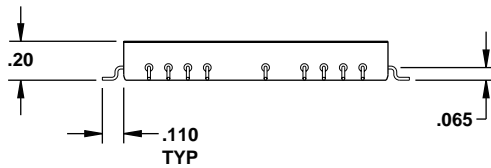
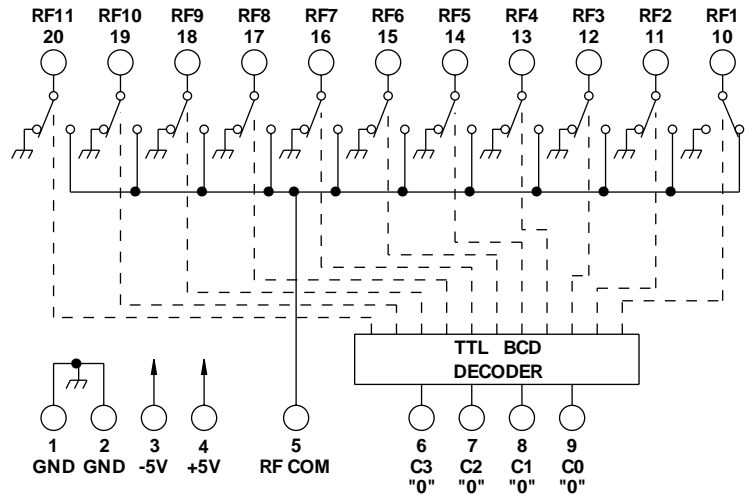
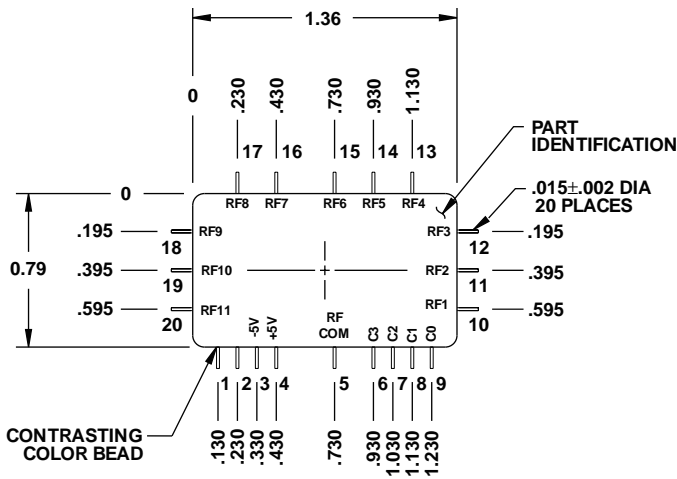
- 0.5 - 6 GHz
- 400 nSec Switching Speed
- Surface Mount



MODEL NO.
DSWM5077

Diode SP11T

SP11T



LOGIC TABLE				
C3	C2	C1	C0	RF COM MON TO
0	0	0	0	RF1
0	0	0	1	RF2
0	0	1	0	RF3
0	0	1	1	RF4
0	1	0	0	RF5
0	1	0	1	RF6
0	1	1	0	RF7
0	1	1	1	RF8
1	0	0	0	RF9
1	0	0	1	RF10
1	0	1	0	RF11

GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	0.500		6	GHz	
DC Current		87	100	mA	At +5 VDC Supply
		30	35	mA	At -5 VDC Supply
Control Type		TTL			4 Line See Table
Control Current	High		±10	µA	V _{IH} = +2.7 V
	Low		±10	µA	V _{IL} = +0.5 V
Isolation	30	34		dB	
Insertion Loss		3.5	4.5	dB	
VSWR	Thru	1.5/1	2.0/1		
Impedance		50		OHMS	
Switching Speed		300	400	nSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time				nSec	90% / 10% or 10% / 90% RF
Sw itching (Video) Transients				mV	Peak Value
Intercept Points	2nd			dBm	
	3rd			dBm	
RF Power	Operate	+10	+7	dBm	(0.1 dB Compression)
	No Damage		+23	dBm	
Operating Temperature	-55	+25	+125	°C	TA