

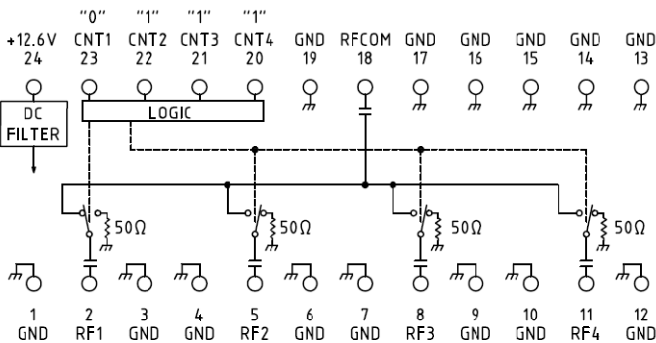
FEATURES

- GaAs Switching Component
- Frequency Range: 5 - 300 MHz
- Fast Switching Speed: 40nsec
- VDC Supply: +12.6V
- TTL Control
- Non-Reflective
- 24 Pin Dihedral

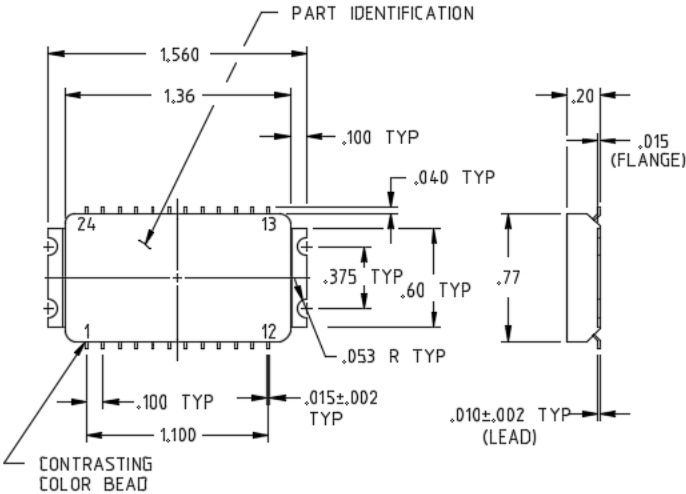


APPLICATIONS: MILITARY FIGHTER AIRCRAFT

FUNCTIONAL BLOCK DIAGRAM



OUTLINE DRAWING



PRODUCT SPECIFICATION

Parameter	Min.	Typ.	Max.	Units	
Frequency	5		300	MHz	
DC Current		4.0	38	mA	+12.6VDC Supply
Control Type		TTL			4 Line Logic: "0"=Thru "1"=Isolation
Control Current:	High	0	±1.0	µA	VIH= +2.7V
	Low	0	±1.0	µA	VIL= +0.5V
Insertion Loss		1.2	1.6	dB	
Isolation		60	72	dB	50-300 MHz
		40	49	dB	300-1100 MHz
VSWR	THRU	1.25:1	1.5:1		
	Termination	1.3:1	1.5:1		
Impedance		50		Ω	
Switching Speed		40	60	nsec	50% TTL to 90%/10% RF
Transition (Rise/Fall) Time		2	10	nsec	10% / 90% or 90% / 10%RF
Switching (Video)Transients		9		mV	Peak to Peak
Intercept Points	2 nd	60		dBm	50-70 MHz
	3 rd	40		dBm	35-50 MHz
RF Power P1dB		21.5	22	dBm	P1dB
RF Power Max.			24	dBm	No Damage
Temperature	-40	+25	+85	°C	Ta

TYPICAL PERFORMANCE

