	Cage Code:	Title:	Date:	Rev:	Model no:
Hill Engineering Division	02WLO	PRODUCT DATA	9/22/03	None	H26-206
		(subject to change)			

This document describes the performance of a high power 1P2T switch. This is a cold switched design i.e.; switched while RF is off. Proper bias levels must be applied when operating this device.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		6	18	GHz	
1.2	PEAK POWER			2000	WATTS	
1.3	PULSE WIDTH			5	μS	
1.4	DUTY			4	%	
1.5	AVG. POWER			80	WATTS	
2	POWER SPECIFICATIONS	GUARD BAND				
2.1	FREQUENCY		18	18.5	GHz	
2.2	PEAK POWER			20	WATTS	
2.3	PULSE WIDTH			0.5	μS	
2.4	DUTY			5	%	
2.5	CW POWER			1	WATT	
3	POWER SPECIFICATIONS	OUT OF BAND				
3.1	FREQUENCY		>18.5		GHz	
3.2	PEAK POWER			0.03	WATTS	
3.3	PULSE WIDTH		CW		μS	
3.4	DUTY		CW		%	
3.5	CW POWER			0.03	WATTS	
4	OPERATING FREQUENCY		6	18	GHz	
5	INSERTION LOSS					
5.1				2.5	dB	
6	ISOLATION					
6.1	INPUT TO OUTPUT		40		dB	
6.2	OUTPUT TO OUTPUT		40		dB	
7	PHASE					
7.1	MATCHING					NOT SPECIFIED
7.2	TRACKING					NOT SPECIFIED
8	VSWR					
8.1	PORTS NOT SELECTED					INFINITE

	Cage Code:	Title:	Date:	Rev:	Model no:
Hill Engineering Division	02WLO	PRODUCT DATA	9/22/03	None	H26-206
		(subject to change)			

ITEM	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS	
NO							
8	VSWR (CONT.)						
8.2	INPUT & OUTPUT, SELECTED PORTS			1.8:1			
8.3	TERMINATION			2.0:1			
8.4	SOURCE			1.2:1			
9	HARMONICS & SPURS						
9.1	INTERNALLY GENERATED					NOT SPECIFIED	
9.2	MEASURED AT INCIDENT POWER			0	WATTS		
10	SWITCHING						
10.1	SPEED	50% Logic To 0.5dB		1.5	μS		
10.2	SWITCHING RATE			50	kHz		
10.3	COMMAND LOGIC	RS-422					
10.4	VIDEO LEAKAGE					NOT SPECIFIED	
10.5	LOGIC TABLE					SEE DWG 2143 below	
11	D.C. POWER						
11.1	POSITIVE BIAS VOLTAGE		4.8	5.2	VDC		
11.2	NEGATIVE BIAS VOLTAGE		-48	-54	VDC		
11.4	POSITIVE BIAS CURRENT			300	mA		
11.5	NEGATIVE BIAS CURRENT			60	mA		
	NOTE: NO OVER-VOLTAGE OR REVERSE POLARITY PROTECTION IS PROVIDED WITH THIS SWITCH.						
12	CONNECTORS						
12.1	RF					TNCF	
12.3	DC					Solder Pins	
13	MECHANICAL						
13.1	WEIGHT			6	Oz.		
13.2	OUTLINE					SEE DWG 2143 below	
14	ENVIRONMENTAL						
14.1	OPERATING TEMPERATURE		0	+60	°C		
14.2	STORAGE TEMPERATURE		-20	+85	°C		
14.3	VIBRATION LEVEL					SHELTERED GROUND MOBILE	



Cage Code:

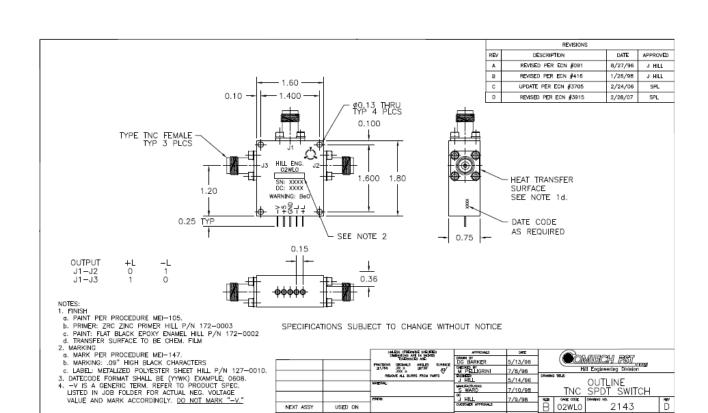
Title:

PRODUCT DATA

(subject to change)

Date: 9/22/03 Rev: None Model no:

H26-206



APPLICATIONS

DO NOT SCALE DRAWING