

APPLICATION		REVISIONS				
NEXT ASSY	USED ON	ZONE	LTR	DESCRIPTION	DATE	APPROVED
		/	1	DRAWING RELEASED	6.2.13	M.E
		/	2	Update I.L & Switching Time Spec	6.6.13	M.E
		/				
		/				

Specification

MODELS: F9140W-1

ISSUED BY : Meir E 6.2.13

RECORD OF VERSION STATUS OF EACH SHEET																													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	A	A																											

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRAC. DEC. ANGLES. .XX ± .02 ±1/64 .XX ± .005 ± 1/2°		CONTRACT NO.		 HERLEY - GMI A KROTOS Company			
MATERIAL	DRAWN	DATE	F9140W-1 Specification				
	PREPARED	DATE					
	CHECKED	DATE					
	APPROVED MEIR E.	DATE 13.07.05	SIZE A	CODE IDENT NO. SCG64	I-622091		
	MATERIAL	DATE	SCALE:		FILE NAME:	SHEET: 1 OF 2	

Model: F9140W-1 SP4T Specification

SP4T – 60dB Isolation, Absorptive Switch

Specification:

PERFORMANCE CHARACTERISTICS

CHARACTERISTIC	Min	Typical	Max
FREQUENCY RANGE (GHz)	6		8
MIN. ISOLATION (dB)	60	70	
MAX. INSERTION LOSS (dB) 6-7.5GHz			2.8
MAX. INSERTION LOSS (dB) 7.5-8GHz			3.1
MAX. VSWR (ON/OFF)			2.0
PHASE MATCHING BETWEEN PORTS		±15°	
AMPLITUDE MATCHING BETWEEN PORTS (dB)		±0.2	

Switching Time

ON time..... 1200 nSec max.
 OFF time..... 500 nSec max.

Power Handling Capability

Without Performance Degradation..... Input to any "ON" port: 33dBm
 Input to any "OFF" port: 20dBm

Survival Power

Input to any "ON" port 36dBm
 Input to any "OFF" port: 20dBm

Power Supply Requirements**Units With Integrated Drivers**

+5V ±5%, 250 mA max
 -12V ±5%, 20 mA max

Control Characteristics

Control Logic..... Logic "0" (0 to +0.8V)
 Logic "1" (+2.0 to +5.0V)
 2:4 TTL decoder