



Eyal Microwave Ltd.

Phone: 972-9-7499100 Fax: 972-9-7493669

Kibbutz Eyal D.N. Hasharon Hatichon 45840 Israel

Web: www.eyal-emi.com Email: emi@eyal-emi.com



SP4T REF SWITCH

DR-2360-UK

SPECIFICATIONS:

* FREQUENCY RANGE:			<u>0.5 ÷ 18.0</u>	GHz
* INSERTION LOSS:	<u>0.5 ÷ 4.0</u>	GHz	<u>1.6</u>	dB max.
	<u>4.0 ÷ 8.0</u>	GHz	<u>2.1</u>	dB max.
	<u>8.0 ÷ 12.0</u>	GHz	<u>2.6</u>	dB max.
	<u>12.0 ÷ 18.0</u>	GHz	<u>3.2</u>	dB max.
* ISOLATION:	<u>0.5 ÷ 2.0</u>	GHz	<u>70</u>	dB min.
	<u>2.0 ÷ 4.0</u>	GHz	<u>75</u>	dB min.
	<u>4.0 ÷ 8.0</u>	GHz	<u>70</u>	dB min.
	<u>8.0 ÷ 12.0</u>	GHz	<u>65</u>	dB min.
	<u>12.0 ÷ 18.0</u>	GHz	<u>60</u>	dB min.
2. RF TO CONTROL				dB min.
3. CONTROL TO RF {VIDEO LEAKAGE} :				mV p-p max
* VSWR:	<u>0.5 ÷ 2.0</u>	GHz	<u>1.8:1</u>	max
	<u>2.0 ÷ 8.0</u>	GHz	<u>1.9:1</u>	max
	<u>8.0 ÷ 18.0</u>	GHz	<u>2.0:1</u>	max
TTL CONTROL LOGIC:				
[X] INVERTING {0=I.L. 1=ISO.}				
[] NON-INVERTING {0=ISO. 1=I.L.}				
NO. OF CONTROL LINES FOR SPDT SWITCH [] ONE [] TWO				
* SWITCHING SPEED:				
1. Ton - 50% TTL to 90% OF RF VOLTAGE			<u>20</u>	nSec max.
2. Toff - 50% TTL to 10% OF RF VOLTAGE			<u>20</u>	nSec max.
* SWITCHING RATE:				
1. PRF			<u>5.0</u>	MHz max.
2. PULSE WIDTH				nSec min.
[] HOT SWITCHING [] COLD SWITCHING				
* POWER HANDLING:				
1. CW at _____ DEG. C			<u>200</u>	mW max.
2. PULSE at _____ DEG. C				mW max.
PULSE WIDTH				mm Sec. min.
DUTY CYCLE				%
* HARMONICS: at _____ mW POWER INPUT				dBc
* POWER SUPPLY: (WITH DRIVER)				
	<u>100</u>	mA at	<u>+5.0</u>	VOLT
	<u>70</u>	mA at	<u>-12.0</u>	VOLT
* TEMPERATURE RANGE:				
STORAGE	<u>-60</u>	DEG. C TO	<u>+120</u>	DEG. C
OPERATING	<u>-54</u>	DEG. C TO	<u>+85</u>	DEG. C

NOTE: HIGH PERFORMANCE SWITCH