



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



SPDT REF SWITCH

BR-2450-SK - P.C : 601

SPECIFICATIONS:

* FREQUENCY RANGE: . . . . .			<b>2.0 ÷ 18.0</b>	GHz
* INSERTION LOSS: . . . . .	<b>2.0 ÷ 12.0</b>	GHz . . . . .	<b>2.3</b>	dB max.
	<b>12.0 ÷ 18.0</b>	GHz . . . . .	<b>2.9</b>	dB max.
		GHz . . . . .		dB max.
		GHz . . . . .		dB max.
* ISOLATION: . . . . .	<b>2.0 ÷ 18.0</b>	GHz . . . . .	<b>50</b>	dB min.
		GHz . . . . .		dB min.
		GHz . . . . .		dB min.
2. RF TO CONTROL . . . . .				dB min.
3. CONTROL TO RF {VIDEO LEAKAGE} : . . . . .				mV p-p max
* VSWR: . . . . .	<b>2.0 ÷ 18.0</b>	GHz . . . . .	<b>1.8:1</b>	max
		GHz . . . . .		
		GHz . . . . .		
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 . . . . .			<b>25</b>	nSec max.
2. Toff - 50% TTL to 10% OF RF VOLTAGE . . . . .			<b>25</b>	nSec max.
* SWITCHING RATE:				
1. PRF. . . . .			<b>5.0</b>	MHz max.
2. PULSE WIDTH . . . . .				nSec min.
[ ] HOT SWITCHING [ ] COLD SWITCHING				
* POWER HANDLING:				
1. CW . . . . .	at	_____	DEG. C . . . . .	<b>200</b> 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)				
		<b>60</b>	mA at	<b>+5.0</b> VOLT
		<b>40</b>	mA at	<b>-12.0</b> VOLT
* TEMPERATURE RANGE:				
STORAGE . . . . .	<b>-60</b>	DEG. C TO	<b>+120</b>	DEG. C
OPERATING . . . . .	<b>-54</b>	DEG. C TO	<b>+85</b>	DEG. C

**NOTE:** VERY SMALL PACKAGE SIZE.