



Eyal Microwave Ltd.

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## TRANSFER REF SWITCH

### SPECIFICATIONS:

* FREQUENCY RANGE: . . . . .			<b><u>2.0 ÷ 18.0</u></b>	GHz
* INSERTION LOSS: . . . . .	<b><u>2.0 ÷ 4.0</u></b>	GHz . . . . .	<b><u>1.8</u></b>	dB max.
	<b><u>4.0 ÷ 8.0</u></b>	GHz . . . . .	<b><u>2.2</u></b>	dB max.
	<b><u>8.0 ÷ 12.0</u></b>	GHz . . . . .	<b><u>2.8</u></b>	dB max.
	<b><u>12.0 ÷ 18.0</u></b>	GHz . . . . .	<b><u>3.2</u></b>	dB max.
* ISOLATION: . . . . .	<b><u>2.0 ÷ 8.0</u></b>	GHz . . . . .	<b><u>70</u></b>	dB min.
	<b><u>8.0 ÷ 12.0</u></b>	GHz . . . . .	<b><u>60</u></b>	dB min.
	<b><u>12.0 ÷ 18.0</u></b>	GHz . . . . .	<b><u>55</u></b>	dB min.
2. RF TO CONTROL . . . . .				dB min.
3. CONTROL TO RF {VIDEO LEAKAGE} : . . . . .				mV p-p max
* VSWR: . . . . .	<b><u>2.0 ÷ 4.0</u></b>	GHz . . . . .	<b><u>1.8:1</u></b>	max
	<b><u>4.0 ÷ 18.0</u></b>	GHz . . . . .	<b><u>1.9:1</u></b>	max
	<b><u>8.0 ÷ 18.0</u></b>	GHz . . . . .	<b><u>2.0:1</u></b>	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 . . . . .			<b><u>50</u></b>	nSec max.
2. Toff - 50% TTL to 10% OF RF VOLTAGE . . . . .			<b><u>50</u></b>	nSec max.
* SWITCHING RATE:				
1. PRF . . . . .			<b><u>5.0</u></b>	MHz max.
2. PULSE WIDTH . . . . .				nSec min.
[ ] HOT SWITCHING [ ] COLD SWITCHING				
* POWER HANDLING:				
1. CW . . . . . at _____ DEG. C . . . . .			<b><u>200</u></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><u>80</u></b>	mA at	<b><u>+5.0</u></b>	VOLT
	<b><u>80</u></b>	mA at	<b><u>-12.0</u></b>	VOLT
* TEMPERATURE RANGE:				
STORAGE . . . . .	<b><u>-60</u></b>	DEG. C TO	<b><u>+120</u></b>	DEG. C
OPERATING . . . . .	<b><u>-54</u></b>	DEG. C TO	<b><u>+85</u></b>	DEG. C

### NOTE:

**EYAL P/N:JA-2660-SK**