



Eyal Microwave Ltd.

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0° / 180° Modulator
MODEL : BP-1949-03

Specifications:

Project: 1949/3

1.	Frequency Range	9.7÷11.0	GHz
2.	Insertion loss	3.5	dB max
3.	VSWR	1.8:1	max
4.	Isolation	40	dB min
5.	Operating power	100	mW
6.	Phase shifting	0° to 180°	
7.	Phase shifting tolerance	±2°	@ CF
8.	Phase shifting slope tolerance via freq. range	±5°	
9.	Switch phase match	±3°	
10.	0 / 180 scan frequency	1	KHz max
11.	AZ / EL scan frequency	1	KHz max
12.	0 / 180 scan control	Open collector (TTL input with pull-up res.)	
13.	AZ / EL scan control	Open collector (TTL input with pull-up res.)	J0÷EL="1" J0÷AZ="0"
14.	Power supply	+5.0V / 100mA & -15V / 60mA	
15.	Switch type	Reflective	
16.	RF connectors	SMA (F)	
17.	DC connector	See outline draw SK5642	
18.	Control Logic for 0/180 shifting	"0" = 180° "1" = 0°	
19.	Size	See outline draw SK5642	
20.	Operating temperature	-40°C to +85°C	