

6. YAV BOARDS AND MODULES

6.1.8 15 relay 2,5 GHz switching-multiplexer board YAV91750

Features

- 5 independent multiplexer connected in tree mode 1 to 4
- 2 Direct steps from ITA to instrumentation or up to 20 points on tree configuration

Applications

- High frequency up to 2,5 GHz signal commutation by means of configurable tree mode connection.



Technical data

INPUT CHARACTERISTICS		ENVIRONMENT	
Maximum switching voltage	30VAC / DC	Operating temperature	0 ... 55°C
Maximum switching capacity	10W @900MHz	Storage temperature	-20 ... 70°C
Maximum carry current	0.50 A	Relative Humidity (non condensing)	5 ... 85%
Maximum RF power	10W @900MHz	PHYSICAL CHARACTERISTICS	
Initial DC path resistance	< 100 mΩ	Relay type	Electrometer.
End of life DC path resistance	1.0 Ω	High frequency connectors	SMB
RF CHARACTERISTICS		DYNAMIC CHARACTERISTICS	
Characteristic impedance (Z0) P/N YAV91750	50 Ω	Maximum scan rate	1,800 Op./
hour		Maximum relay operate time	< 10 ms
Characteristic impedance (Z0) P/N YAV91775	75 Ω	Expected relay mechanical life	1.000.000 Op.
		Expected relay electrical life*	> 300.000 Op.

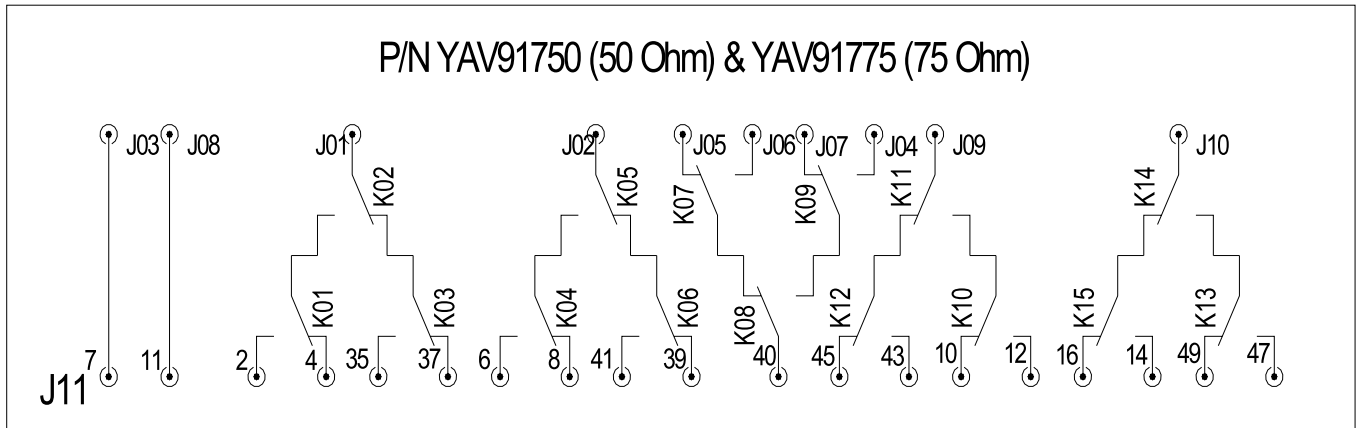
ORDERING INFORMATION

15 relay 1 GHz switching-multiplexer board 75 Ohm RG 179. 1 GHz YAV91775
 15 relay 2.5 GHz switching-multiplexer board 50 Ohm RG 316. 2,5 GHz YAV91750

P/N

YAV91775
 YAV91750

Drawings



Application example

