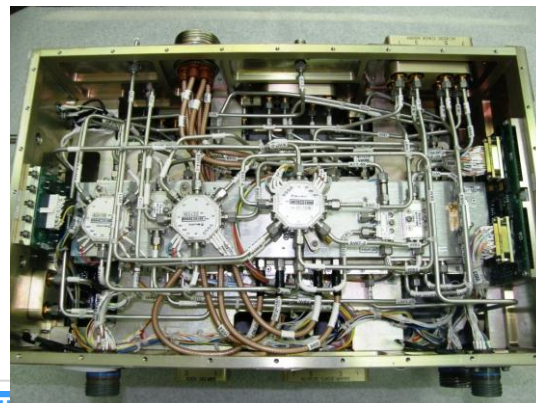


### GENERAL DESCRIPTION

- The HBSM unit is used in an airborne System. The HBSM is a complex phase match switches matrix that selects from 6 separate sources group of four inputs to one group of 4 outputs simultaneously.
- The HBSM is basically composed of switches, amplifiers, power divider, supplies board and controller logic card
- The HBSM is controlled by a synchronous serial RS422 transmission media in order to minimize the control line.



### KEY FEATURES

- Wide range multiple channels
- Phase matching
- High isolation Between Channels
- Low input Noise (amplified distribution routs from 5 antennas)
- Built-In-Test

### APPLICATIONS

- Airborne ELINT system

### GENERAL SPECIFICATIONS

Frequency Range	6-18 GHz
Phase matching	+/-3°
Amplitude matching	0.4db
Gain	10±2 db
Gain Flatness	±1.5db max.
IP3 (output)	+30db min
IP3 (input)	+25db min
Input Power	+20dbm nom.
Input Power No Damage	+30dbm max
Isolation	60db min
Harmonics	-75 dbc
Spurious	-85 dbc
Noise Figure	8 db max.
VSWR in/out	1.8:1 max
Switching speed	1µSec max

### GENERAL SPECIFICATIONS

Power Requirements	+13.5V, 1.2 Amp. -13.5V, 0.4 Amp. +7.5V, 0.6 Amp.
Operating Temperature	-20°C ÷ +55°C
Non Operating Temp	-40°C ÷ +71°C
Dimensions	(410 X 250 X 170 mm)