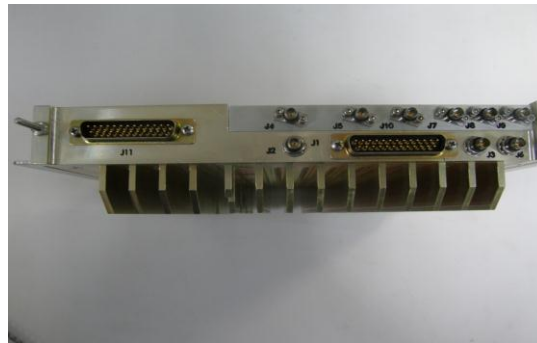


#### GENERAL DESCRIPTION

The Dual X-Band transceiver is a MIC, RF Head of a Radar System. It consists of two Transceivers where each Transceiver composed of receiving channel that includes Limiter, DCA and LNA's and transmitting channel including 10 Watt Power Amplifier.



#### KEY FEATURES

- Amplitude Modulation
- Digital Attenuation
- Low Spurious
- Low Output Noise
- High output power
- BIT Capability

#### APPLICATIONS

- Radar systems

#### GENERAL SPECIFICATIONS

Frequency Range	BW 400MHz (at X-Band)
Gain	8±1 db
Gain Flatness	±3.5db max.
Input Power (TX)	+32dbm (TX.)
Output Power(TX)	+39 dbm min.
Harmonics	-20 dbc
Spurious	-75 dbc
Noise Figure	3.5 db max.
VSWR in/out	1.6:1 max
IP3 (output)	+15dbm min
Attn. Range	0÷31 db
Attn. Step	1db nom.
T/R switching time	150nS max

#### GENERAL SPECIFICATIONS

Power Requirements	+24V, 4.5 Amp. +15V, 1 Amp. +5V, 0.6 Amp.
Operating Temperature	-30°C ÷ +71°C
Non Operating Temp	-40°C ÷ +85°C
Dimensions	234 X 190 X 29 mm