

Challenge For The Future

NIPPON AVIONICS CO.,LTD.





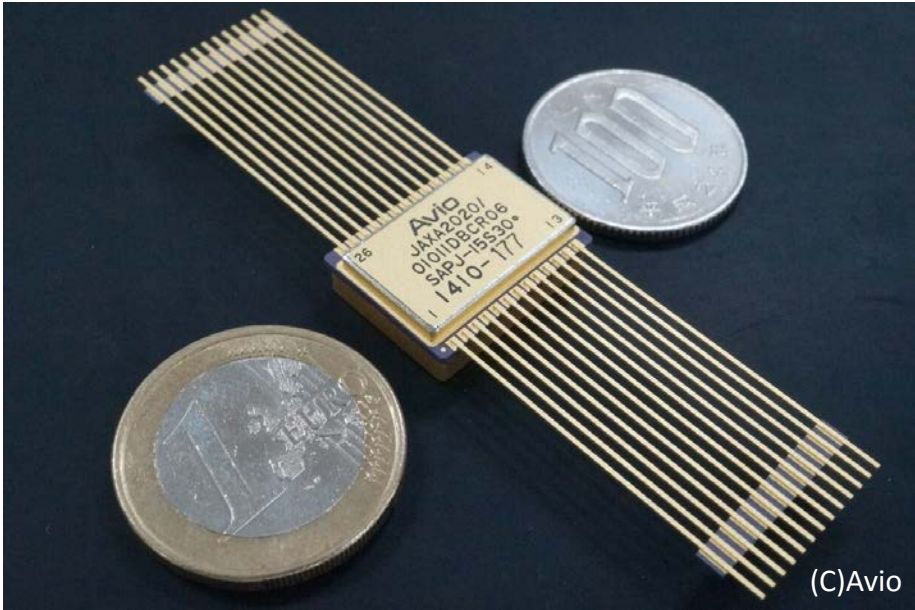
HISTORY

- 1960 Incorporation
- 1978 Started manufacture of Hybrid IC for Space
- 1982 JAXA qualified A qualified Hybrid IC
- 2003 JAXA qualified DC/DC CONVERTER
- 2011 JAXA qualified POL
- 2013 EPPL listed POL

BUSINESS

- ✓ Avio's POL has been used in many of the satellites and launch vehicles in Japan.
- ✓ POL is effective for miniaturization and lower power consumption than the regulator.

PRODUCT



Radiation Hardened POL DC/DC CONVERTER

EPPL / QPL Listed and JAXA Qualified EEE Parts

Line up

【EM】 (for development, evolution)

No.	Model number	Specification
1	SAPJ-15S30(EM)	1.5V output
2	SAPJ-33S20(EM)	3.3V output

【FM】 (Radiation Hardened, for Space applications)

No.	JAXA Part Number	Model number	Specification
1	JAXA2020/01011DBCR06	SAPJ-15S30	1.5V output
2	JAXA2020/01011DBCR09	SAPJ-33S20	3.3V output

Recommended Operating Conditions

No.	Parameter	Operating Condition
1	Operating Temperature Range (Case)	-55°C to +125°C
2	Input Voltage	+5V
3	Output Voltage (1.2V to 1.8V)	Adjust for SAPJ-15S30
4	Output Voltage (2.5V to 3.3V)	Adjust for SAPJ-33S20
5	Output Current	0A to 3A (Vo=1.2V,1.5V,1.8V) 0A to 2.6A (Vo=2.5V) 0A to 2A (Vo=3.3V)
6	Input capacitor (Chip ceramic)	30μF as a minimum (note1)
7	Output capacitor (Chip ceramic)	160μF as a minimum (note1)

HQ Location	Gotanda Kowa Bldg., 1-5, Nishi-Gotanda 8-chome, Shinagawa-ku Tokyo, 141-0031 Japan
Overseas Office	N/A
Year of Establishment	April 8, 1960
Main Products	For Space : Radiation Hardened POL DC/DC CONVERTER For Industries : Micro Joining Equipment and Infrared Thermal Imaging Camera
Main Client	NEC Group
Company Website	http://www.avio.co.jp/
Contact Form	http://www.avio.co.jp/english/contact/index.htm
Point of Contact	Shin-ichi Uenomachi uenomachi-shi@avio.co.jp
Category	Component