

New Product



Ka-band 2W Block Upconverter

Model No. NJT5803F

< Features >

- * Small Size & Light Weight
- * High Efficiency Output Power (2W typical @P1dB)
- * Low Power Consumption

<Line-Up>

Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connector
NJT5803F	29.5 to 30.0 GHz	28.5 GHz	1,000 to 1,500 MHz	2W Linear (+33 dBm typ.)	F-Type

< Specifications >

Item	Specifications
Output Interface	Waveguide, WR-28
Output Power @ 1dB G.C.P.	+33 dBm typical, +32 dBm minimum over temp.
Linear Gain	60 dB nom.
Requirement for External Reference	[Frequency] [Input Power] [Phase Noise]
	10 MHz (sine-wave) -5 to +5 dBm @ Input port -134 dBc/Hz max. @ 100 Hz -145 dBc/Hz max. @ 1 kHz -150 dBc/Hz max. @ 10 kHz -155 dBc/Hz max. @ 100 kHz
L.O. Phase Noise	-50 dBc/Hz max. @ 100 Hz -72 dBc/Hz max. @ 1 kHz -82 dBc/Hz max. @ 10 kHz -92 dBc/Hz max. @ 100 kHz
Input V.S.W.R.	2 : 1 max
DC Power Requirement	+15 to +24 VDC 35 W max.
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	F-type, female (75 ohms)
Dimension & Housing	170 mm (L) x 130 mm (W) x 80 mm (H) (Target)
Weight	2.5 kg max.
Temperature Range (ambient)	-40 to +55 C (operating) -40 to +75 C (storage)

These specifications are subject to change without notice for improvement.

 **New Japan Radio Co., Ltd.**

Microwave Components Division
1-1, Fukuoka 2-Chome, Kamifukuoka-City
SAITAMA, 356-8510 JAPAN
E-mail : mcsales@njr.co.jp
Phone : +81-49-278-1270
FAX : +81-49-278-1234
<http://www.njr.co.jp>