New Product

Ku-band 8W Block Upconverter

Model No. NJT5018 Series

< *Features* >

* No "Cooling Fan" Solution
* High Efficiency Output Power
  (8W minimum @P1dB over temperature)
* Three Power Supply Selections
  DC: +48Vdc Operation (+38 to +60 Vdc)
  DC: +24Vdc Operation
  AC: 110V / 220V
* Option: Separation of power supply port (MS-connector)

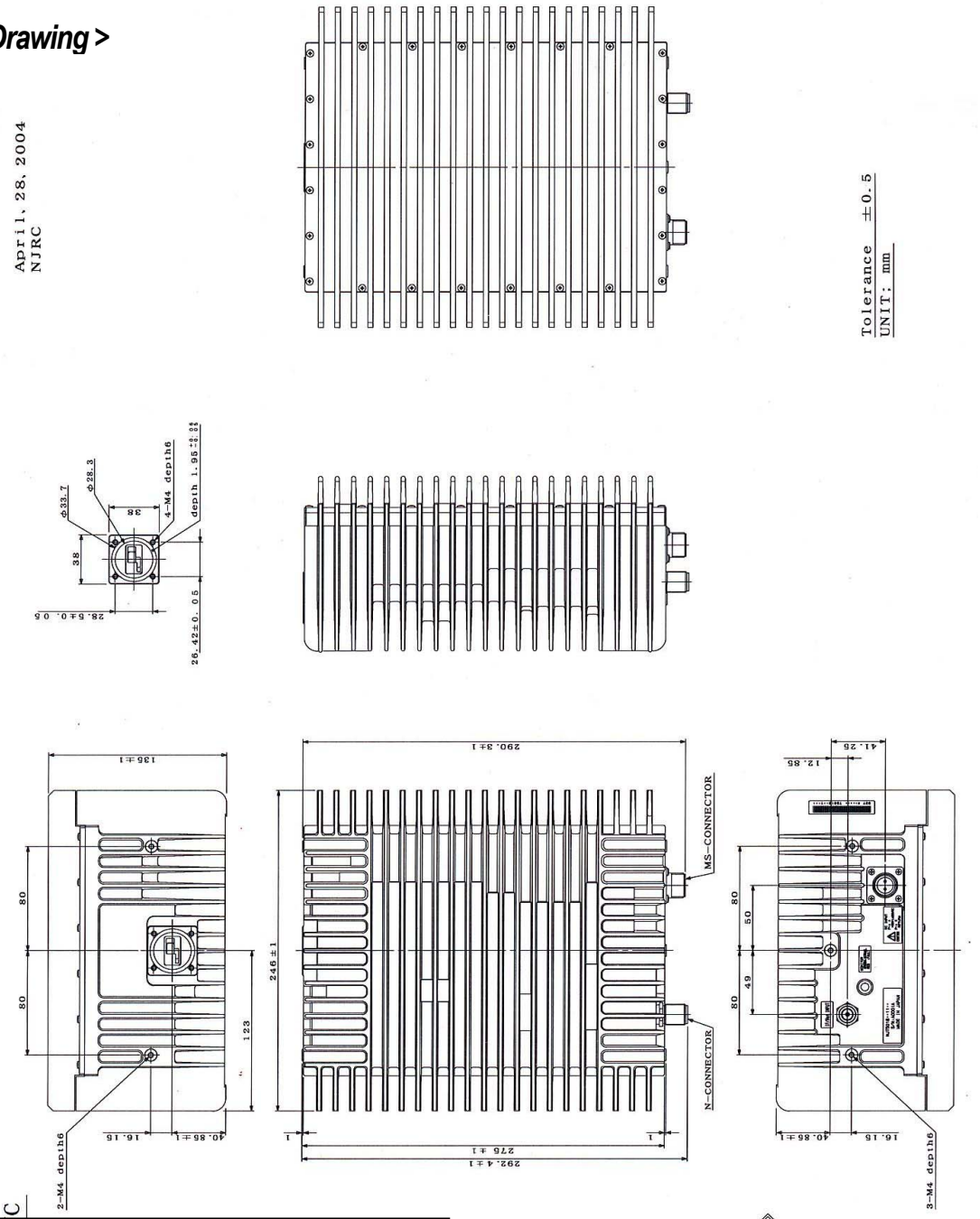
<*Line-Up*>

Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	IF Connector	Power Supply	Port for Voltage Input
NJT5018N00100	14.0 to 14.5 GHz (Ku-band)	13.05 GHz	950 to 1,450 MHz	8W Linear (+39 dBm min.)	N-type	+48Vdc	Same as IF Connector
NJT5018F00100					F-type		
NJT5018N01100					N-type		MS Connector (separate port)
NJT5018F01100					F-type		
NJT5018N10100					N-type	+24Vdc	Same as IF Connector
NJT5018F10100					F-type		
NJT5018N41100					N-type	AC (110-220V)	MS Connector (separate port)
NJT5018F41100					F-type		

< *Specifications* >

Item	Specifications
Output Interface	Waveguide, WR-75
Output Power @ 1dB G.C.P.	+39 dBm min. over temp.
Linear Gain	59 dB min.
Requirement for External Reference [Frequency]	10 MHz (sine-wave)
[Input Power]	-5 to +5 dBm @ Input port
[Phase Noise]	-125 dBc/Hz max. @ 100 Hz -135 dBc/Hz max. @ 1 kHz -140 dBc/Hz max. @ 10 kHz
L.O. Phase Noise	-60 dBc/Hz max. @ 100 Hz -70 dBc/Hz max. @ 1 kHz -80 dBc/Hz max. @ 10 kHz -90 dBc/Hz max. @ 100 kHz
Input V.S.W.R.	2 : 1 max
Output V.S.W.R.	2 : 1 max.
Power Requirement	Option 1: +48 VDC (+38 to +60 VDC), 170 W max. Option 2: +24 VDC (+18 to 24 VDC) Option 3: 110VAC / 220VAC
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	N-type, female (50 ohms) [Model No. NJT5018N*****] F-type, female (75 ohms) [Model No. NJT5018F*****]
Temperature Range (ambient)	-40 to +55 C (operating) -40 to +75 C (storage)
Dimension & Housing	275mm (L) x 246mm (W) x 135 mm (H) [10.8" (L) x 9.7" (W) x 5.3" (H)]
Weight	20.5 lbs max. [9.3 kg max.]

< Outline Drawing >



Unit : mm

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