

# DATA SHEET

## B7 Rx (2500-2570 MHz) Band-Reject Filter

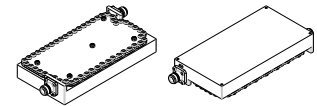
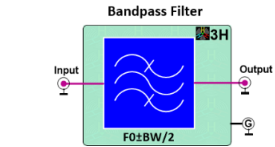
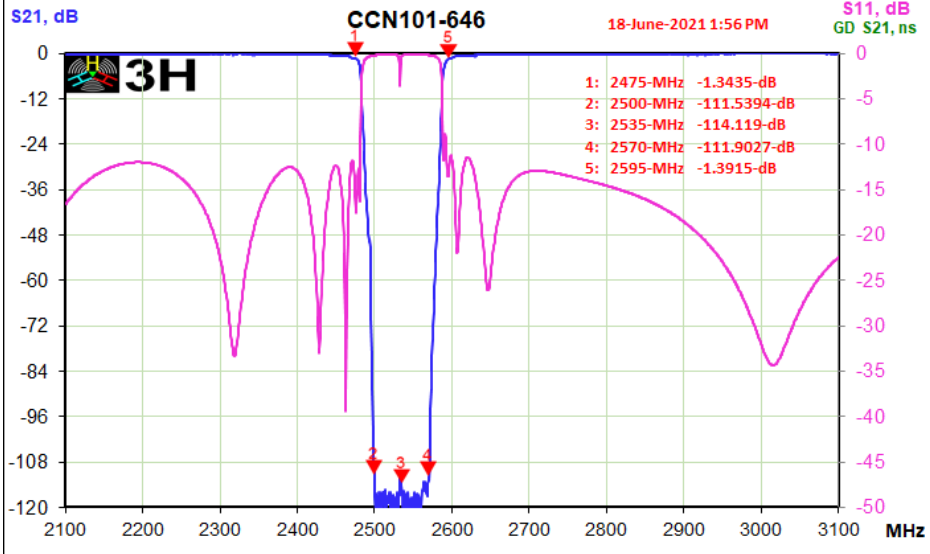
RoHS✓

BW = 70 MHz with 110 dB Notch



**3H** Communication Systems

3H Part Number	Rev	Change Description	Date	ENG	MFG/QA	MKT
CCN101-646	0	Initial Release	6/18/2021	PS	LW	MG
	1	Final per prototype data. IL, RL relaxed. Smaller outline. Now:205x106x40 mm <sup>3</sup> old:225x120x40 mm <sup>3</sup>	7/27/2021	PS	LW	MG



### ELECTRICAL SPECIFICATIONS

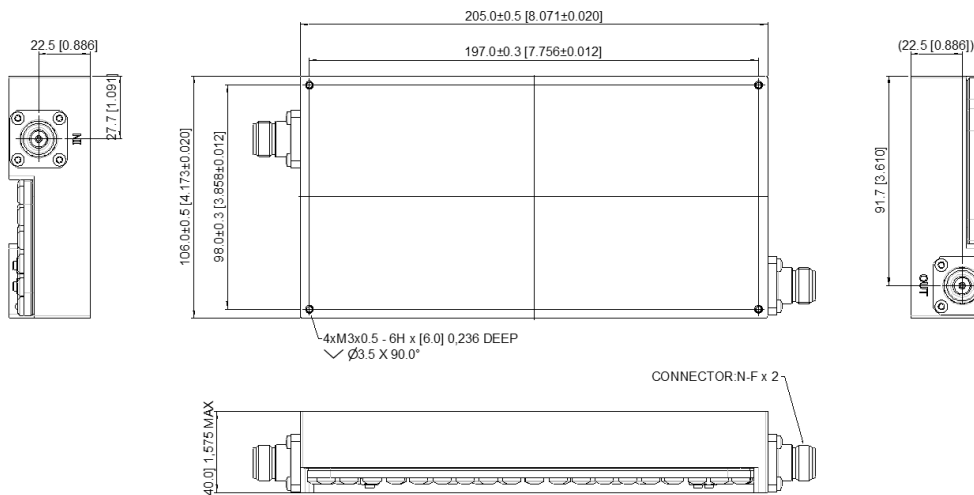
Parameter	Specifications
Notch Band	2500 -2570 MHz
Passbands	DC-2475 & 2595-5000 MHz
Insertion Loss@DC-2460 MHz	1.5 dB MAX
Insertion Loss@2460-2475 MHz	2.0 dB MAX
Insertion Loss@2595-2610 MHz	2.0 dB MAX
Insertion Loss@2610-5000 MHz	1.5 dB MAX
Return Loss, Input/output	12 dB typical, 9 dB min
Rejection at Notch Band	110 dB
Input/Output Impedance	50 Ω
Power Handling, Average	100 W Avg
PIM level with 2x +43 dBm tones	-112 dBm max

### MECHANICAL SPECIFICATIONS

I/O Connections	N Type Female for Both Input/output
Size	205mm x 106mm x 40mm. See Outline. (8.071" x 4.173" x 1.575") max
Weight	3 Kg (6.6 lbs.) max.

### ENVIRONMENTAL/QUALITY SPECIFICATIONS

Operating Temperature Range	10 to +40°C
Non-Operating Temperature Range	-55 to +125°C
Vibration 10 to 500 Hz	10 G Mx
Shock Duration	11 ms
Humidity, Relative non-condensing	95% max
Sealing (When mated)	IP63 (Indoor)



**Note:**  
It is common for silver plated parts to tarnish after being exposed to the air and may not look aesthetically pleasing after a while, however, the performance will not degrade.

Drawn By:	Material: AL, CU, Ag	Tolerances .XX ±0.020[0.508] .XXX ±.010[0.254]	Proprietary Notice: The Information contained in this document is proprietary and shall not be used or disclosed without the prior written permission of 3H. R2555C.			
QA Approval:	BRASS, ULTEM, PTFE, BRASS, Loctite		Date	DWG #	Unite	Pages
Eng. Approval:	Finish: Natural Aluminium		6/18/21	101-646	Inches[mm] 1 of 1	