

Specification – Diplexer

Date: 2026-09-06	Crossover: ~1.4 GHz (CH1/CH2 gap)	Part No.: NX-DPX-1400-50
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■ Electrical & Mechanical Specification

No.	Parameter	Specification
1	Center Frequency – CH1	1200 MHz
2	Center Frequency – CH2	1575 MHz
3	Passband Frequency – CH1	1100 ~ 1300 MHz
4	Passband Frequency – CH2	1500 ~ 1650 MHz
5	Passband Insertion Loss	≤0.7 dB (each channel)
6	Passband Ripple	≤0.35 dB (CH1) / ≤0.3 dB (CH2)
7	Passband Return Loss	≥18 dB (each channel)
8	Stop Band Rejection – CH1	≥50 dB @ DC ~ 900 MHz ≥50 dB @ 1500 ~ 3500 MHz
9	Stop Band Rejection – CH2	≥50 dB @ DC ~ 1300 MHz ≥50 dB @ 1850 ~ 3500 MHz
10	Impedance	50 Ω
11	Power Handling	ANT: 100 W Max. / CH1 & CH2: 50 W Max.
12	Connectors	SMA-Female
13	Port Assignment	Port 1: ANT · Port 2: CH1 · Port 3: CH2
14	Operating Temperature	-30°C ~ +70°C
15	Dimensions	200 × 86 × 31 mm
16	Surface Finish	Painted Black

■ **Outline Drawing [Unit: mm, Tolerance: ±0.5mm]**

