

**71.2 — 72.8 GHZ
74.2 — 75.8 GHZ**

DIPLEXER, E-BAND

HBPF72.075.0-284



DESCRIPTION:

HBPF72.075.0-284 is a high-performance component designed to precisely separate signals within the 71.2 — 72.8 GHz and 74.2 — 75.8 GHz frequency ranges.

This diplexer provides low insertion loss, high isolation, and excellent return loss to ensure minimal signal degradation and optimal channel separation. Commonly used in point-to-point wireless backhaul, 5G infrastructure, and high-frequency radar systems, it supports a WR-12 waveguide and is designed to meet the requirements of modern mmWave applications.

FEATURES & BENEFITS:

- Low insertion loss
- Excellent return loss
- Supports WR-12 waveguide
- 91 dB of rejection between frequency bands

SPECIFICATIONS:

Frequency	Band 1: 71.2 — 72.8 GHz; Band 2: 74.2 — 75.8 GHz
Rejection	91 dB (Min)
Insertion Loss	2.5 dB (Max) within passband
VSWR (Max)	1.5:1
Waveguide	WR-12
Temperature	-35°C to +75°C
Package Size	WR-12 x 3.5"

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