

E-BAND WAVEGUIDE DUPLEXER

ABF Elettronica
RF devices & Microwave Subsystems

AZIENDA CON SISTEMA DI QUALITÀ CERTIFICATO DA DNV
UNI EN ISO 9001/2000

E-Band duplexer is a fundamental part of E-Band radio link which is commonly used for LTE backhauling.

ABF Elettronica E-Band duplexer is characterized by a **selectivity** between transmitter channels of **55 dB** for the 2.5GHz Shift Version and 50 dB for the 10GHz Shift version.

Return Loss is guaranteed at **16 dB** minimum.



10GHz Shift CHANNELING

Lo Band pass band	71 – 76 GHz
Hi Band pass band	81 – 86 GHz
Bandwidth	5 Ghz
Shift	10 GHz
Insertion Loss	< -0.5 dB
Return Loss	< - 16 dB
Isolation	< - 50 dB
Dimension (mm)	64x18x12
Interface tx/rx	WR12
Temperature Range	from -30°C to + 70°C

2,5GHz Shift CHANNELING

Lo Band frequency range	from 71 to 83 Ghz
Hi Band frequency range	from 73.5 to 86 GHz
Bandwidth	1,25 Ghz
Shift	2,5 GHz
Insertion Loss :	< - 2 dB
Return Loss	< - 16 dB
Isolation :	< - 55 dB
Dimension (mm)	64x18x12
Interface tx/rx	WR12
Temperature Range	from -30°C to + 70°C

