



## DCS/UMTS BAND HIGH POWER DIPLEXER

- **IDEAL FOR DCS AND UMTS SYSTEMS**
- **LOW VSWR, LOSS AND PIM**
- **HIGH POWER**
- **COMPACT SIZE**
- **WEATHER-PROOF HOUSING**

This in-band diplexer is a high quality, high power device which can be used effectively as diplexer in Mobile base stations and similar applications. The low insertion loss, good reflection and the robust mechanical construction guarantee long term trouble free operation.

This model is the same as the **BFDP27** but with DC feed.

### Electrical characteristics:

Frequency Range	<b>DCS band</b> <i>1710 to 1880 MHz</i>	<b>UMTS band</b> <i>1920 to 2170 MHz</i>
Insertion Loss	0.3 dB typ, 0.4 dB max.	0.3 dB typ, 0.4 dB max.
Return Loss	20 dB typ. 18 dB min.	20 dB typ. 18 dB min.
Isolation	min. 45 dB	min. 40 dB
Max. Input Power	100W	100W
Measured 3th order IM products (*)	-150 dBc typ.	
RF Connectors	7/16 female	
Application	weather proof, outdoor, IP68	

(\*) measured at 2x40 dBm @ DCS freq. on the common input port

Specifications are subject to change without notice.

### Options:

<b>BFDP31-1G8</b>	DC feed from common to 1710 to 1880 MHz band (max 5A)*
<b>BFDP31-2G1</b>	DC feed from common to 1920 to 2170 MHz band (max 5A)*

(\*) Suitable up to 3MHz to transmit eg. control signals

### Outline dimensions (mm):

