

GSM 900 / DCS&UMTS BAND DIPLEXER

- IDEAL FOR DUAL AND TRIBAND SYSTEMS
- HELPS TO SAVE CABLE COST
- ECONOMICAL PRICE
- SELECTABLE DC FEED
- COMPACT SIZE
- OUTDOOR ASSEMBLY

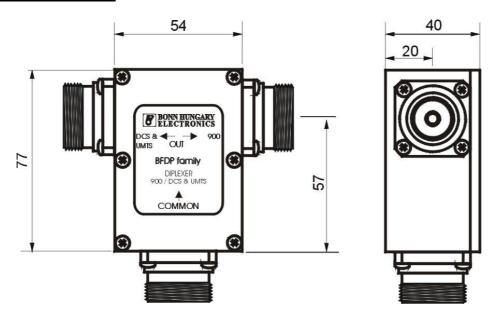
This duplex filter is a universal system building block. It is intended for use to separate or combine 900 MHz and DCS & UMTS systems. Because of it's low losses and compact size it can be used effectively in GSM communication systems for reducing the dual band assembling (cable) costs.

Electrical characteristics:

Frequency Band (*)	880 to 960 MHz	1710 to 2170 MHz
Insertion Loss (common to 900 MHz GSM port)	0.2 dB, max. 0.3 dB	< -50 dB
Insertion Loss (common to 1800 MHz GSM port)	< -50 dB	0.4 dB, max. 0.5 dB
Reflection	< -20 dB	< -20 dB
Max. Input Power	100W	100W
Connectors	7 / 16 - female	
BFDP13	DC feed from common to 900 MHz port (**)	
BFDP14	DC feed from common to DCS/UMTS port (**)	
Operating Temperature Range DC Feed	$-30 \text{ to} + 70 ^{\circ}\text{C}$	
Application / IP rating	Outdoor (in waterproof housing) / IP68	

Specifications are subject to change without notice.

Outline dimensions (mm):









^(*) Other frequency ranges are available upon request.

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