

MAIN FEATURES

- ❖ Ideal for combining 700/800/900, 1800 and 2600 MHz bands
- ❖ Low VSWR, low insertion loss and PIM
- ❖ High rejection between bands
- ❖ High power handling capability
- ❖ Rugged, high reliability design
- ❖ Weather-proof housing



DESCRIPTION

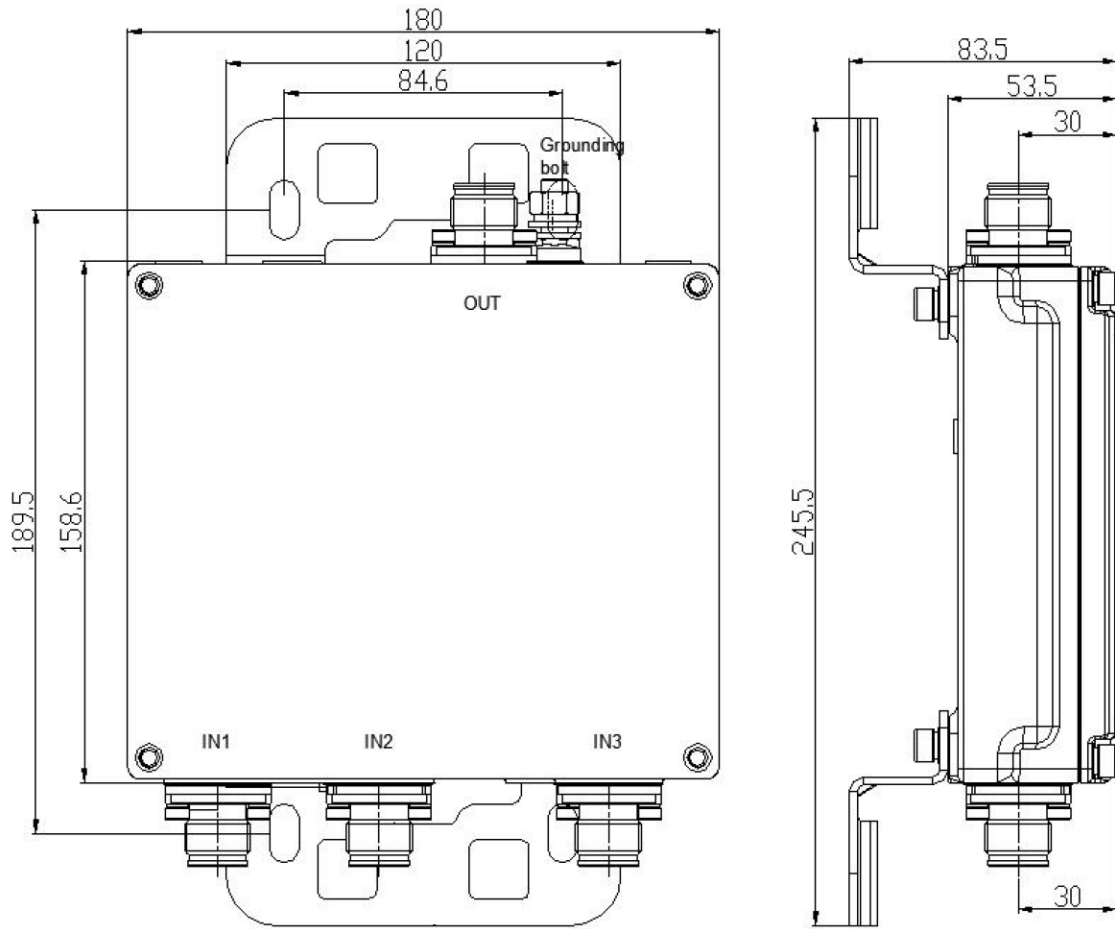
This multi-band cavity triplexer is a high quality, high power device which can be used effectively to combine and separate of the signals in wireless bands at mobile base stations and similar applications. Attention to mechanical design and plating ensures guaranteed low passive intermodulation. Low insertion loss, low return loss and the robust mechanical construction guarantee long-term trouble-free operation.

SPECIFICATIONS

RF PARAMETERS			
Frequency range	Port1 690 – 960 MHz	Port2 1710 – 2170 MHz	Port3 2300 – 2700 MHz
Insertion loss	0.5 dB max.	0.5 dB max.	0.5 dB max.
Return loss	19 dB min., 21 dB typ.	19 dB min., 21 dB typ.	19 dB min., 21 dB typ.
Isolation	50 dB min.	50 dB min.	50 dB min.
Maximum input power	300 W	300 W	300 W
Measured 3rd order IM products	≤-160 dBc @ 2 x 43 dBm		
Impedance	50 Ω		
MECHANICAL PARAMETERS			
Connectors	4.3-10 – female		
Dimensions (Without connectors & mounting bracket)	180 x 158.6 x 53.5 mm (see outline dimensions)		
Mounting	With hose clamp & mounting bracket		
Colour	Light Grey (RAL 7047)		
ENVIRONMENTAL PARAMETERS			
Operating temperature range	-20 °C ... +55 °C		
Storage temperature range	-35 °C ... +85 °C		
Degree of protection	IP65 (Outdoor)		

Specifications are subject to change without notice.

OUTLINE DRAWING (mm)



ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
BFTP43K11261	BFTP43, 690-960 MHz / 1710-2170 MHz / 2300-2700 MHz, 300 W, cavity triplexer, 4.3-10 connector

DOCUMENT REVISION

DOCUMENT NAME	REVISION	DATE
BFTP43-LM-K11261	V03	2024-02-13