DATA SHEET

RF&NOISE COMPONENTS
Solutions that fit. Products that perform.

BROADCAST CIRCULATOR

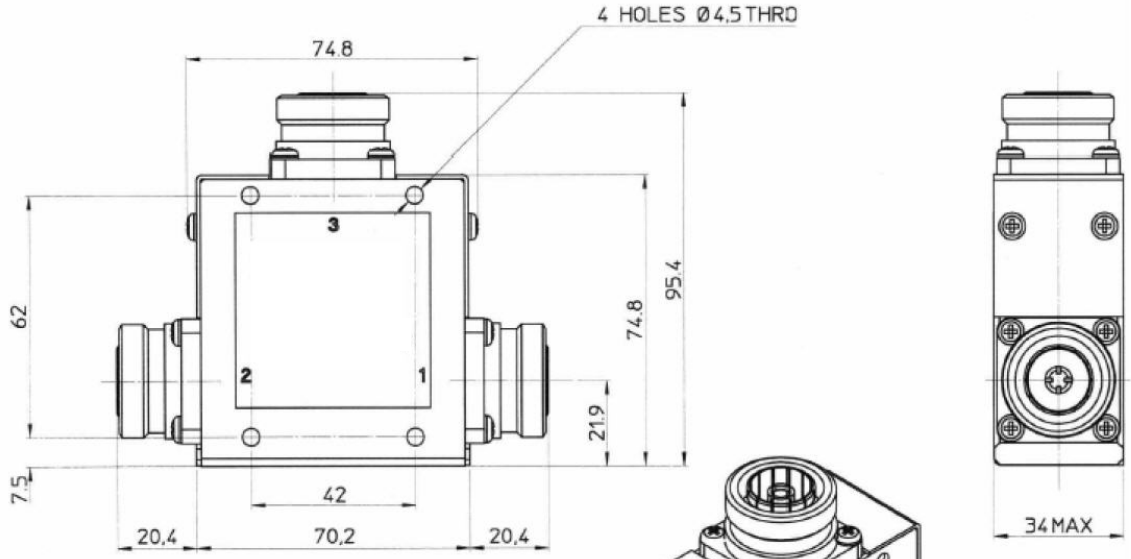
Description

This circulator has been primarily designed for use in television broadcast systems and can be supplied with 7/16, N-Type, SMA and TNC connectors. The electrical and environmental specification are based on standard requirements. Other versions are available that offer alternative performance versus temperature and can include phase matching. Please note that power handling can be limited by the connector type chosen and for maximum power performance the 7/16 connector should be used. An isolator version of this circulator range is also available with a number of different termination power ratings.

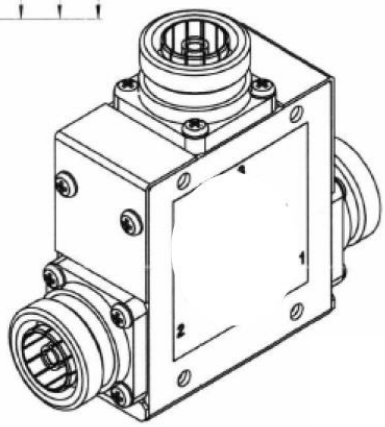
Please contact our sales team for further information.

Key Features

- LOW INSERTION LOSS
- HIGH ISOLATION
- CUSTOM CONNECTOR CONFIGURATION
- COMPACT DESIGN
- HIGH POWER PERFORMANCE
- COMPETITIVE PRICING



CONNECTOR LENGTH DIMENSION WILL VARY DEPENDING ON THE CONNECTOR CHOSEN.



Device number	Frequency (MHz)		Insertion (dB)		Isolation (dB)		Return loss (dB)		Power (W)[1]	Temperature (°C)	
	min	max	typ[3]	max	min	typ[3]	min	typ[3]	fwd	lower	upper
CC-515-282	470	560	0.15	0.20	23	24	23	24	600[2]	-10	+70
CC-605-283	550	660	0.15	0.20	23	24	23	24	600[2]	-10	+70
CC-705-284	650	760	0.15	0.20	23	26	23	26	600[2]	-10	+70
CC-805-285	750	860	0.15	0.20	23	26	23	26	600[2]	-10	+70

Device number	7/16		N-Type		SMA		TNC	
	Female	Male	Female	Male	Female	Male	Female	Male
Suffix	-716F	-716M	-NF	-NM	-SMAF	SMAM	-TNCF	-TNCM

PLEASE CONTACT OUR SALES TEAM IF YOU REQUIRE AN ALTERNATIVE CONNECTOR CONFIGURATION

Example

Female 7/16 connector version of CC-705-006 would be CC-705-006-716F

[1] Suitable heat sinking should be used to ensure the upper temperature limit is not exceeded under maximum power conditions.

[2] RF & Noise Components has not tested this parameter but has been successfully approved and manufactured in volume for customers specifying this power handling.

[3] The typical performance is based on measurements taken at an ambient temperature between 19 and 25°C.

10 Crouchmans Yard
Poynters Lane
Great Wakering
Essex SS3 9TS UK

Tel: +44 (0) 1702 535298
Fax: +44 (0) 1702 535299
E-mail: sales@rfandnoisecomponents.co.uk
Visit us @ www.rfandnoisecomponents.com