

C-Band 5G Interference Reject Filter For Sat-com Systems (Red & Blue)

Applications

- Protect Satcom links from potential 5G Interference
- Environmentally sealed, moisture resistant (IP 67)
- Easy installation between the LNB and feed.

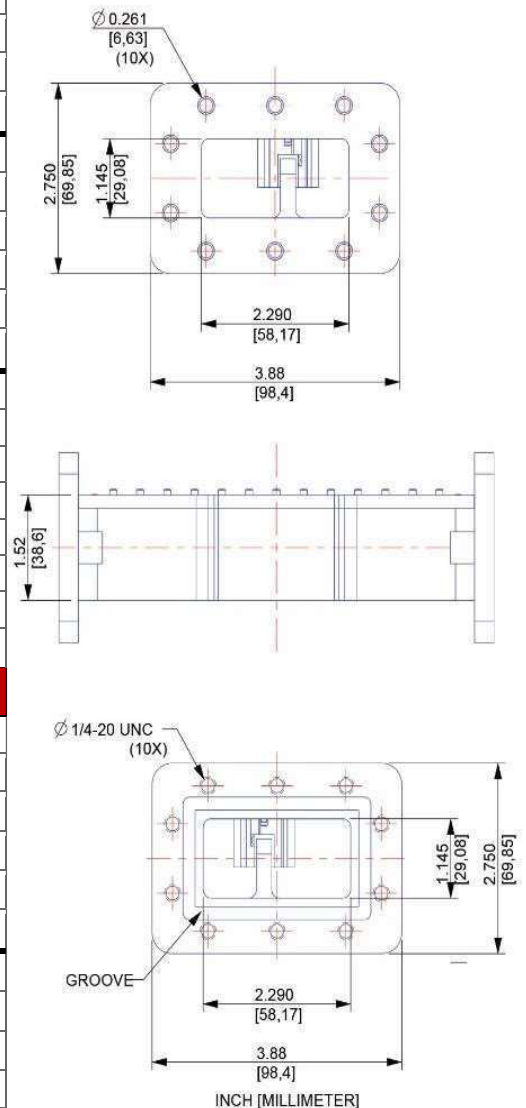


ELECTRICAL PROPERTIES - RED

GROUP G FILTER	Passband	3900 – 4200 MHz
	Group delay variation	1.45 nsec max within ± 0.5 MHz
	Insertion loss	1.3 dB max
	Rejection	50 dB min at 3880 MHz 25 dB min at 4230 MHz
	Return loss	19 dB min
GROUP H FILTER	Passband	3780 – 4200 MHz
	Group delay variation	1.45 nsec max within ± 0.5 MHz
	Insertion loss	1.3 dB max
	Rejection	60 dB min at 3760 MHz 25 dB min at 4230 MHz
	Return loss	19 dB min
GROUP I FILTER	Passband	3820 - 4200
	Group delay variation	1.45 nsec max within ± 0.5 MHz
	Insertion loss	1.3 dB max
	Rejection	70 dB min below 3700 MHz 60 dB min at 3800 MHz 50 dB min at 3803 MHz (temp drift) 25 dB min above 4230 MHz
	Return loss	20 dB min

ELECTRICAL PROPERTIES - BLUE

GROUP J FILTER	Passband	4020 – 4200 MHz
	Group delay variation	1.45 nsec max within ± 0.5 MHz
	Insertion loss	1.3 dB max
	Rejection	60 dB min at 4000 MHz 25 dB min above 4230 MHz
	Return loss	19 dB min
GROUP K FILTER	Passband	4000 – 4200 MHz
	Group delay variation	1.45 nsec max within ± 0.5 MHz
	Insertion loss	1.3 dB max
	Rejection	70 dB min below 3900 MHz 60 dB min at 3980 MHz 50 dB min at 3983 MHz (temp drift) 25 dB min above 4230 MHz
	Return loss	20 dB min





C-Band 5G Interference Reject Filter For Sat-com Systems (Red & Blue)

MECHANICAL PROPERTIES

Interface	Flange: udr40 cpr-229 Flange: pdr40 cpr-229
Material	Aluminum 6061
Finish	Flanges: chemical conversion Waveguide: silver plat Exterior: matte white paint
Weight	2.2 lbs (998g)

ENVIRONMENTAL PROPERTIES

Operating temperature: -40°C to +50°C

CONFIGURATION LEGEND BLUE: P/N 2100318-03-GROUP-FLANGE 1-FLANGE 2

FLANGE 1	-01: flat & thru hole	FLANGE 2	-01: flat & thru hole
	-02: flat & threaded hole		-02: flat & threaded hole
	-03: grooved & thru hole		-03: grooved & thru hole
	-04: grooved & threaded hole		-04: grooved & threaded hole

CONFIGURATION LEGEND RED: P/N 2100318-02-GROUP-FLANGE 1-FLANGE 2

FLANGE 1	-01: flat & thru hole	FLANGE 2	-01: flat & thru hole
	-02: flat & threaded hole		-02: flat & threaded hole
	-03: grooved & thru hole		-03: grooved & thru hole
	-04: grooved & threaded hole		-04: grooved & threaded hole

NORTH AMERICA

USA

info.usa@advantechwireless.com

CANADA

Info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM

info.uk@advantechwireless.com

RUSSIA & CIS

info.russia@advantechwireless.com

SOUTH AMERICA

info.latam@advantechwireless.com

BRAZIL

info.brazil@advantechwireless.com

ASIA

info.asia@advantechwireless.com

INDIA

info.india@advantechwireless.com

Ref.: PB-AWT-IRF-C-001-22189