

Features

- **Triplexer for combining or splitting the three bands:**
 - VHF 130 – 180 MHz
 - UHF 380 – 520 MHz
 - UHF 760 – 960 MHz
- **Two variants to select from:**
 - PXG004-V1 = Max. composite input power 30 W
 - PXG004-V2 = Max. composite input power 150 W (external heatsink)
- **High specification:**
 - Chebyshev design ensures very high isolation across the entire pass bands
 - Extensive operating temperature range
 - High power handling capability
 - Low insertion loss
- **Compact Design**
 - Lightweight
 - Precision machined aluminum cavity ensures extraordinarily high mechanical strength
 - Color: Black
 - QMA(f) connectors on all ports



Specifications

Electrical	PXG004-V1	PXG004-V2
Model designation [W]	30	150
Frequency range [MHz]	COM-LOW port: 130-180 COM-MID port: 380-520 COM-HIGH port: 760-870	
Max. composite RF power [W CW]	30	150
Max. port input power, com port loaded with 50 ohm [W CW]	LOW port 30	LOW port 150
	MID port 30	MID port 150
	HIGH port 30	HIGH port 75
Power capability derating at 25°C <TA <60°C on composite input power, gradually derated: [W]	LOW and MID port: 150 → 75	
	HIGH port: 75 → 37.5	
Insertion loss [dB]	130-180 MHz:	≤ 0.4
	380-520 MHz:	≤ 0.6
	760-960 MHz:	≤ 0.7
Isolation [dB]	LOW band to MID port : >50	
	MID band to LOW port : >50	
	HIGH band to MID port : >50	
	MID band to HIGH port : >50	
	LOW band to HIGH port : >70	
HIGH band to LOW port : >70		
Impedance [Ω]	Nom. 50	
SWR LOW port	Max 1.25:1	
SWR MID port	Max 1.25:1	
SWR HIGH port	Max 1.25:1	

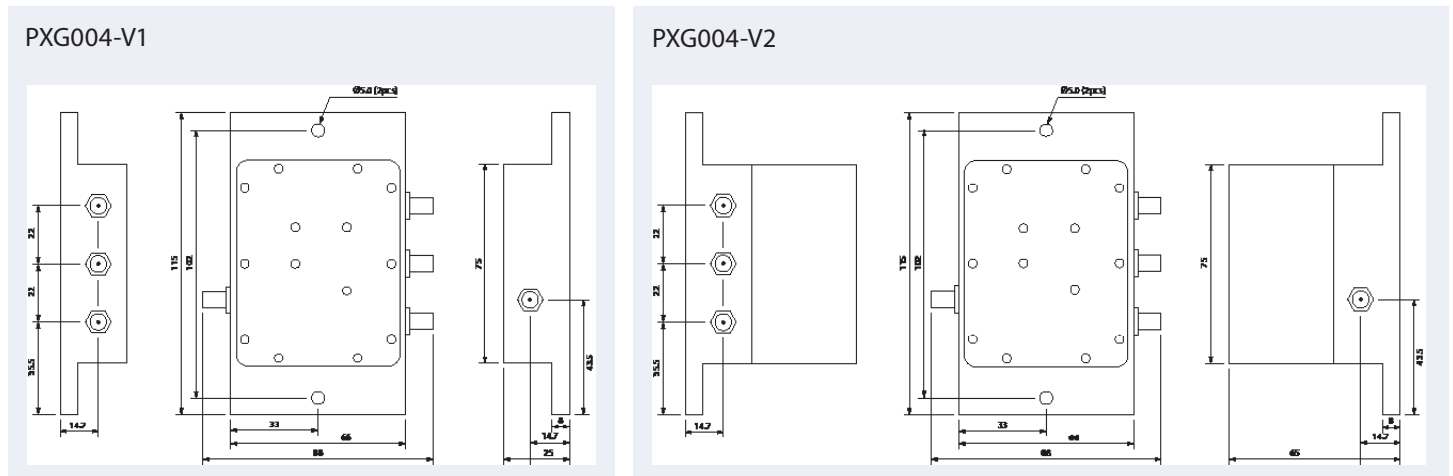
Mechanical	PXG004-V1	PXG004-V2
Connectors	QMA female on all ports	
Dimensions (L x W x H) [mm]	88 x 115 x 25 (inc connectors)	88 x 115 x 65 (inc connectors)
Weight [g]	Approx 500	
Mounting [mm]	Ø5.0 (2 holes)	

Environmental	PXG004-V1	PXG004-V2
Ambient temp range [°C]	-30 - +60	
IP rating	IP54	

Ordering designation

Product Number	Description
PXG004-V1	Without heatsink
PXG004-V2	With heatsink

Unit Outline



Contact Us

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All specifications are subject to change without notice. Visit www.filtronic.com for the most current datasheets.

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