

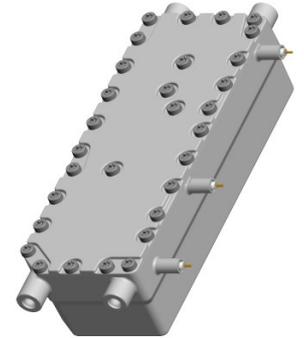
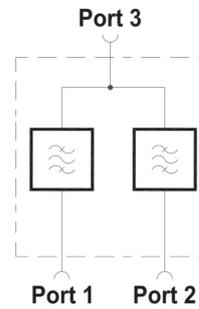
# Dual-Band Combiner

690-806 MHz

824-960 MHz

REQ-GKT009502-A

- Mounted inside the antenna.
- Ultra compact design in dimensions and weight.
- Low insertion loss.
- High input power.
- Phase difference  $\pm 5^\circ$ .
- Low Intermodulation Distortion (IMD).



## Technical Data

Electrical Properties		
Pass Band (MHz)	Band 1 Band 2	690 - 806 824 - 960
Insertion loss (dB)	Port 1 -- Port 3 Port 2 -- Port 3	< 0.4 , (typ. 0.25 ) < 0.4 , (typ. 0.25 )
Isolation	Port 1 - Port 2	> 30 (690 - 806 MHz / 824 - 960 MHz)
VSWR		< 1.25 (690 - 806 MHz / 824 - 960 MHz)
Phase difference		$\pm 5^\circ$
Input Avg. power (W)	Port 1, Port 2	< 250
Output Avg. power (W)	Port 3	< 500
Intermodulation products (dBm)		< -113 (3rd order; with 2 x 43 dBm)
Environmental Specification		
Plating		Silver
Operating temperature ( °C )		-40 ... +65
Application scene		Inside of the antenna
Mechanical Specification		
Combiner dimensions (H x W x D) (mm)		137.7 x 51.5 x 38
Packing dimensions (mm)		475 x 345 x 270 ( 30 pcs )
Combiner weight (kg)		0.3
Connector		141 (50Ω) cable ( 150mm )

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