

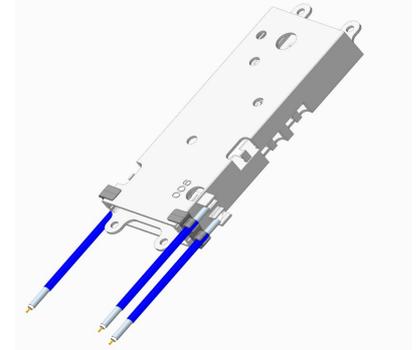
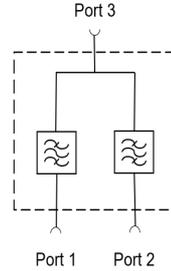
Dual-Band Combiner

690-806 MHz

824-960 MHz

7904 0042

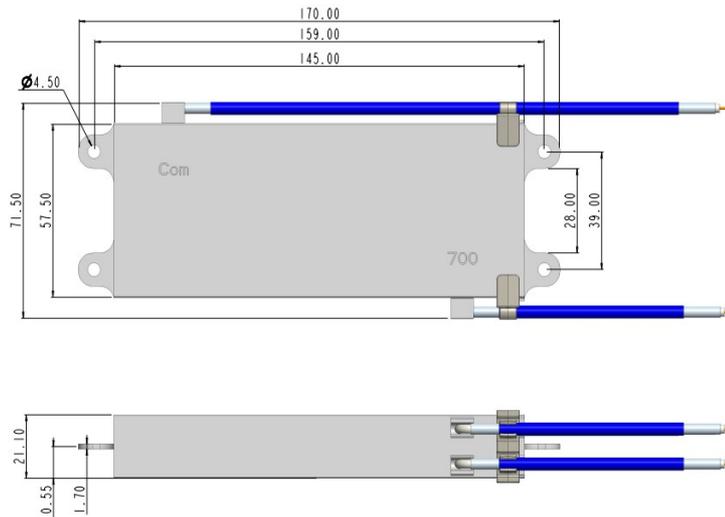
- Mounted inside the antenna.
- Ultra compact design in dimensions and weight.
- Low insertion loss.
- High input power.
- Phase difference $\pm 5^\circ$.
- Low Intermodulation Distortion (IMD).



GKT Proprietary Information - Confidential

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	< 0.70 , (typ. 0.35) Not Included Cable Losses < 0.85 , (typ. 0.5) Not Included Cable Losses
Isolation	Port 1 - Port 2	> 28 (690 - 806 MHz / 824 - 960 MHz)
VSWR		< 1.28 (690 - 806 MHz / 824 - 960 MHz)
Phase difference		$\pm 5^\circ$
Input power (W)	Port 1, Port 2	< 200
Intermodulation products (dBm)		< -110 (3rd order; with 2 x 43 dBm)
Environmental Specification		
Operating temperature (°C)		-40 ... +65
Application scene		Inside of the antenna
Mechanical Specification		
Combiner dimensions (H x W x D) (mm)		127 x 57.6 x 21
Packing dimensions (mm)		675 x 345 x 270 (10 pcs)
Combiner weight (kg)		0.2
Connector		141 (50Ω) cable



Performance characteristics are quoted in typical, peak or range values only. It may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural support beyond its limit may result in damage to this product.