

2:1 Hybrid Combiner

COM-BD21ODN9

698-2700MHz

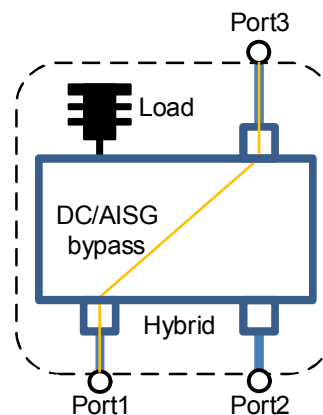
Electrical Specifications

Frequency Range (MHz)	Band1: 698-2700	Band2: 698-2700
Coupling Attenuation (dB)	3.0±0.6@698-806MHz; 3.0±0.5@806-2700MHz	
Isolation between Ports (dB)	≥25	
Return Loss (dB)	≥20	
Maximum Input Power per Port (W)	100	
Intermodulation Products (dBc)	≤-155@2x43dBm	
Impedance (Ω)	50	
DC/AISG transparency	Port1-Port3 By-pass (max. 3000 mA)	
Lightning Protection	Comply with IEC 61000-4-5; 8kA, 8/20μs	
MTBF (Hours)	≥500,000	

Mechanical Specifications

Dimensions, LxWxH (excluding connectors) (mm) / (in)	177x193x90 / 6.9x7.6x3.5
Weight (kg) / (lb)	3.6 / 7.9
Shipping Dimensions, LxWxH (mm) / (in)	300x200x125 / 11.8x7.9x4.9
Shipping Weight (kg) / (lb)	4.6 / 10.1
RF Connectors	7/16 DIN-Female
Mounting	Pole (clamps included for Φ35-125mm pole) or Wall Mounted
Operating Temperature Range (°C)	-40 to +65
Operational Humidity (%)	≤100
Environmental Class	IP67

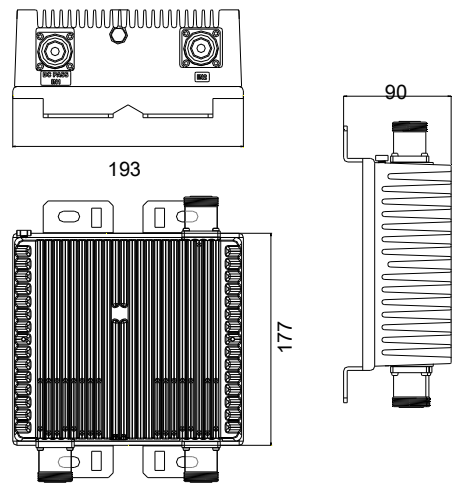
Photo & Block Diagram



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Outline Drawing



Accessories

Model	Quantity	Description
KK63020099	2	Hose Clamp, $\varnothing$ 30-125mm