

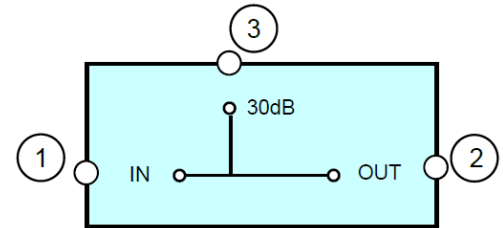
## Product Data

**Order Code**      **AMA-1257-xx-4310-T**  
Insert Coupling Value XX

**Description**      **Couplers**  
**694-2700 MHz**  
**4.3-10 Connectors**

### Specification

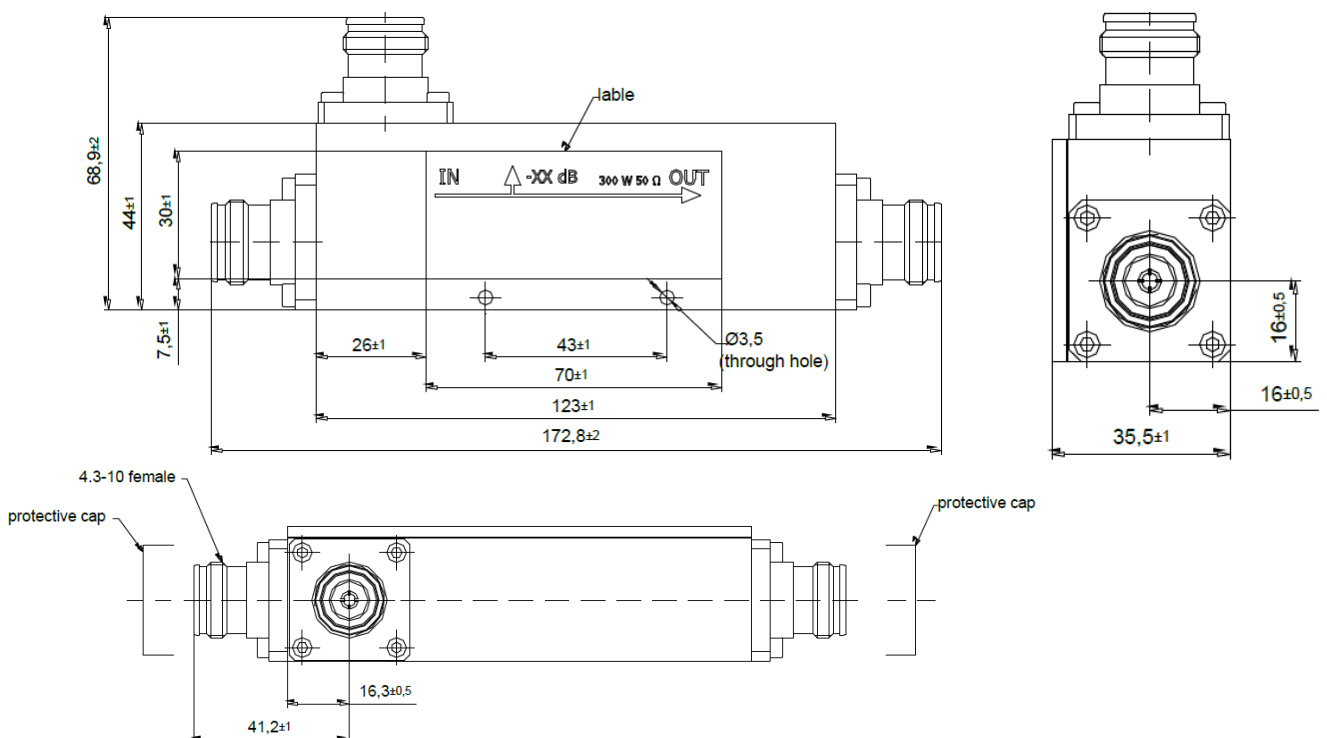
Frequency            694-2700 MHz  
Connectors           4.3-10 Series Female (50 Ohm)  
Coupling Values    4.8, 6, 7, 8, 10, 13, 15, 20 & 30dB  
VSWR                 $\leq 1.3$  (Port 1)  
Max Input            300 Watts CW  
IM 3<sup>rd</sup> Order         $\leq -150\text{dBc}$  @2x20W  
Environmental       IP54 Indoor rated  
Temp Range         -40°C to +80°C  
Weight                0.53 Kg



block diagram (use 30dB coupler as an example)



	<b>-4'8</b>	<b>-6</b>	<b>-7</b>	<b>-8</b>	<b>-10</b>	<b>-13</b>	<b>-15</b>	<b>-20</b>	<b>-30</b>
Split ratio	1:0.33:0.67	1:0.25:0.75	1:0.2:0.8	1:16:084	1:01:0.9	1:0.05:0.95	1:0.03:0.97	1:0.01:0.99	1:0.001:0.999
I/L	2.1dB	1.5dB	1.4dB	1.3dB	1.1dB	0.9dB	0.7dB	0.5dB	0.4dB
Coupling	4.8dB $\pm 0.8\text{dB}$	6dB $\pm 0.8\text{dB}$	7dB $\pm 0.8\text{dB}$	8dB $\pm 0.8\text{dB}$	10dB $\pm 0.8\text{dB}$	13dB $\pm 0.8\text{dB}$	15dB $\pm 1.0\text{dB}$	20dB $\pm 1.0\text{dB}$	30dB $\pm 1.2\text{dB}$
Directivity	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 15\text{dB}$



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