500–1000 MHz Four-Way RF Power Combiner, 500 W

Four paths combine across 500–1000 MHz with 500 W stated power handling. Insertion loss is 0.9 dB typical and phase balance is ≤±5°.

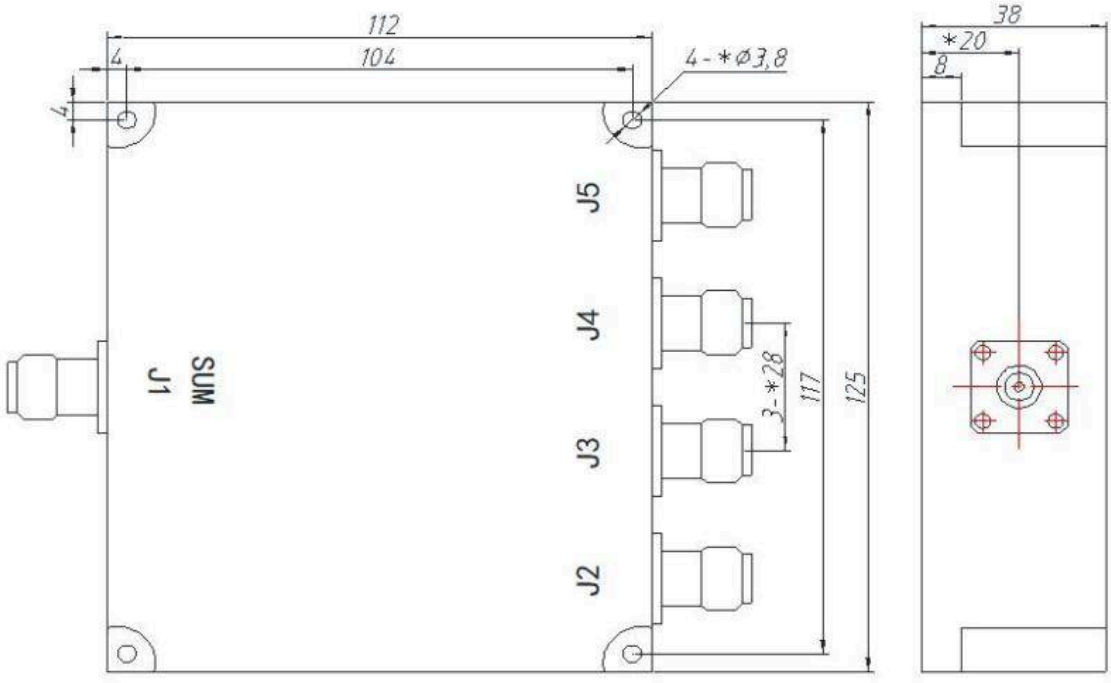
Specifications list 10 dB isolation, VSWR≤1.3 at SUM and N-K connectors. Operating temperature is −55–+100 °C with conductive plating.



Electrical specifications

Parameter	Value	Unit
Model number	LCPC-500-1000-500-4	-
Frequency range	500–1000 (Minimum: 500 MHz. Maximum: 1000 MHz.)	MHz
Number of ways	4	-
Insertion loss	0.9 (Typical: 0.9 dB.)	dB
Amplitude balance	≤±0.2 (Signed source balance notation retained.)	dB
Phase balance	≤±5 (Signed source balance notation retained.)	°
VSWR	≤1.3 (SUM Maximum: 1.3.)	-
Power handling	500	W
Isolation	10	dB
Connector type	N-K	-
Surface finish	Conductive plating	-
Operating temperature	−55–+100 (Minimum: -55 °C. Maximum: 100 °C.)	°C

Mechanical Outline



Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.