

**LT-DC-9050G-16**  
**HIGH DIRECTIVITY BRIDGE COUPLER**  
**90KHz-50 GHz, 16dB Coupling**  
[sales@lauftek.ru](mailto:sales@lauftek.ru) | [lauftek.ru](http://lauftek.ru)



**Feature :**

- Ultra Wide Band:90KHz-50 GHz
- High Directivity
- Low VSWR
- 50 Ohm Matched Input / Output

**Electrical:**

Parameter		Min.	Typ.	Max.	Units
Frequency range		90KHz-50			GHz
Coupling			16.5 ± 2.3		dB
Insertion Loss				4.2	dB
Directivity		13			dB
Return Loss	Input			-12	dB
	Output			-12	dB
	Coupled			-10	dB
Power				1	W
Impedance		50			Ohms

**Mechanical :**

Parameter	Value
Input Connector	2.4mm Female
Output Connector	2.4mm Female
Coupled Connector	2.4mm Female
Material	Cu
Size	39.7×18.3×13.5 mm

**Absolute Maximum Ratings:**

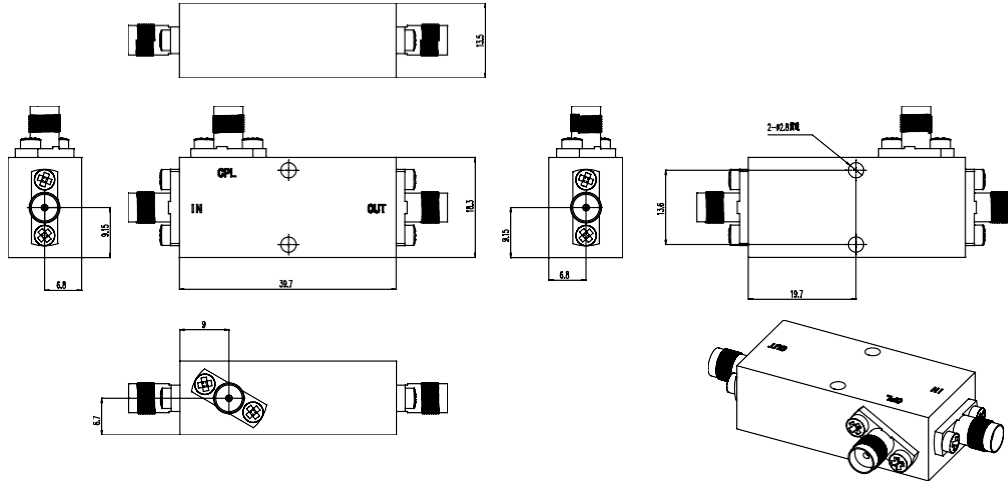
Parameter	Value
RF Input Power	1W
EESD sensitivity (HBm)	Class 0, passed 150V

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**Outline Drawing:**

Unit: mm



OBSERVE PRECAUTIONS  
 ELECTROSTATIC SENSITIVE  
 DEVICES

**Environmental Conditions:**

Parameter	Min.	Typ.	Max.	单位Units
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10000		30000	feet
Shock / Vibration(MIL-STD-810F)		Airborne		
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			