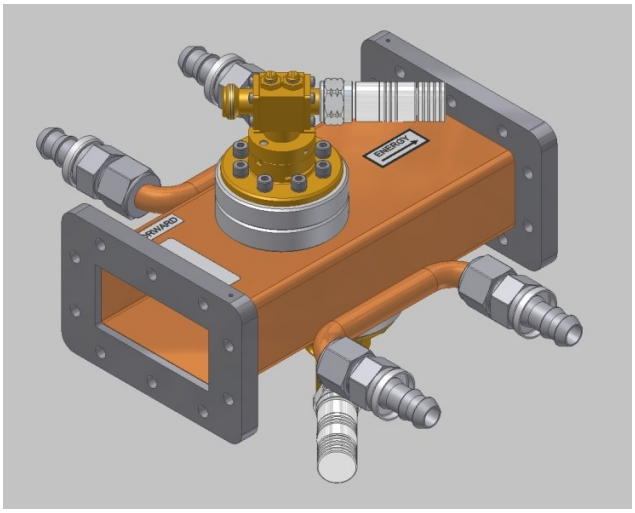
R32 Directional Coupler || BN 662033



Radio frequency characteristics

	main line	probe
Interface type / material / surface finish	CPR flat, stainless steel, copper plated	N socket, copper alloy, silver plated
Frequency range	3.7 GHz ± 10 MHz	
Average power capability	500 kW*	
VSWR, max.	1.05	1.1
Coupling attenuation, forward	60 dB ± 0.2 dB	
Coupling attenuation, reflected	60 dB ± 0.2 dB	
Directivity, forward, min.	30 dB	
Directivity, reflected, min.	30 dB	
Insertion loss, typ.	0.02 dB	

** Conditions:*
- *Pressurized with SF_6 or N_2 at absolute operating pressure,* $4 \cdot 10^5$ Pa (4 bar);
- *Cooled by cooling loop at a flow rate of* 16 l/min*;*
- *Coolant input temperature, max. 40°C;*
- *Pulse width, max. 1000s;*
- *Duty cycle, max. 1/4.*

General mechanical data

Differential operating pressure, max.	$3 \cdot 10^5$ Pa (3 bar)
Leakage rate, max.	$1 \cdot 10^{-10}$ Pa·m³/s ($1 \cdot 10^{-9}$ mbar·l/s)
Waveguide material	OFHC Copper
Waveguide surface finish	painted on request
Probe material	copper, copper alloy, stainless steel, ceramic, PS, PTFE
Interface water cooling	Swagelok Push-On compatible for hose DN ½"
Absolute operating pressure for water cooling, max.	$1 \cdot 10^6$ Pa (10 bar)
Bakeable to	170 °C (if selected without painting and probes dismounted) 80 °C (if probes mounted)
Weight, approx.	5.6 kg
Marking	adhesive label

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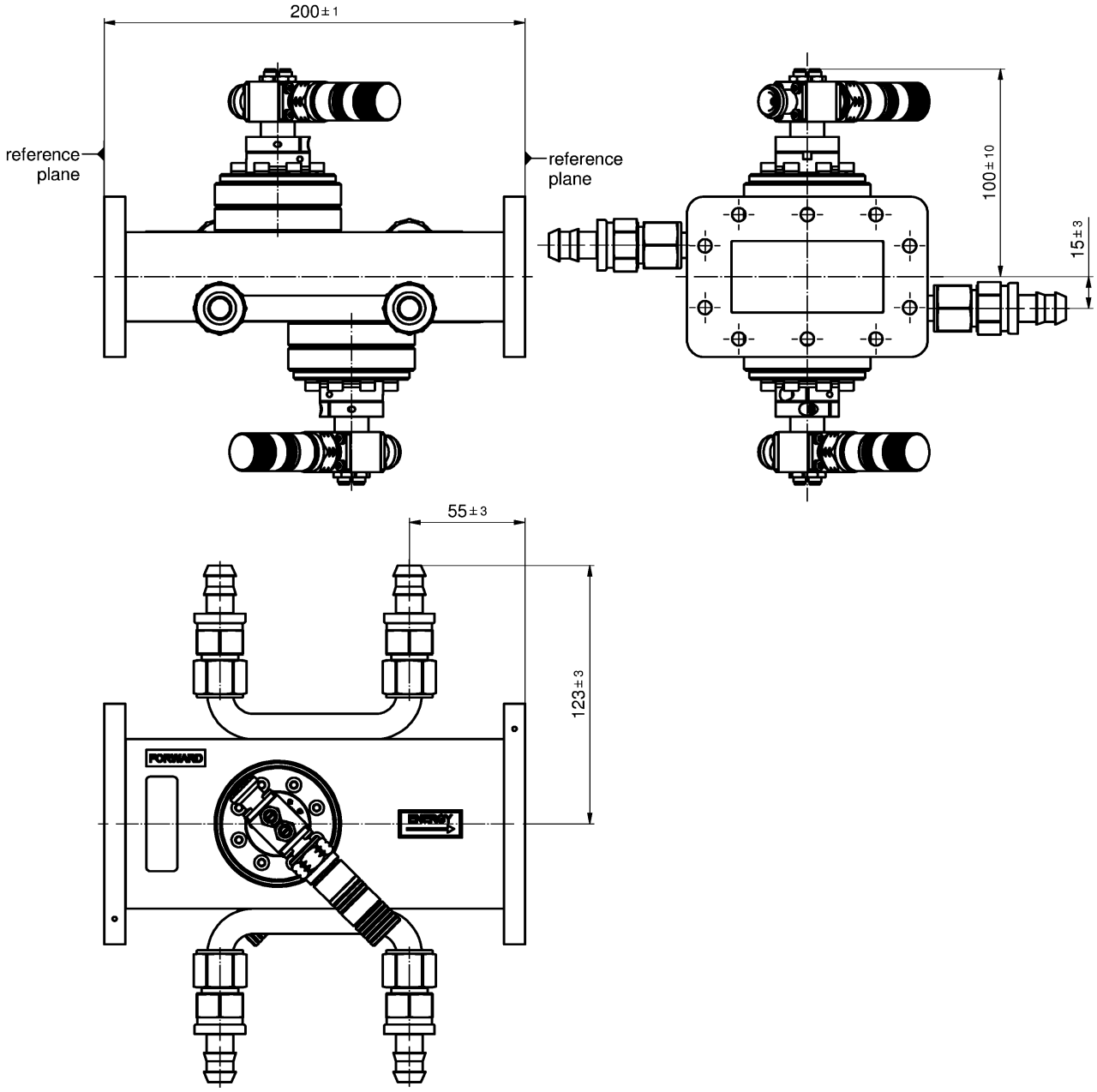
General environmental conditions

Operation	
Ambient temperature range	+10 to +50 °C
Relative humidity, max.	95% (non-condensing)
IP protection level	IP64 per EN 60529 (all interfaces connected with appropriate gaskets)
Storage	
Ambient temperature range	-20 to +50°C
Relative humidity, max.	95% (non-condensing)

Outline and dimensions



Template TD-00002J

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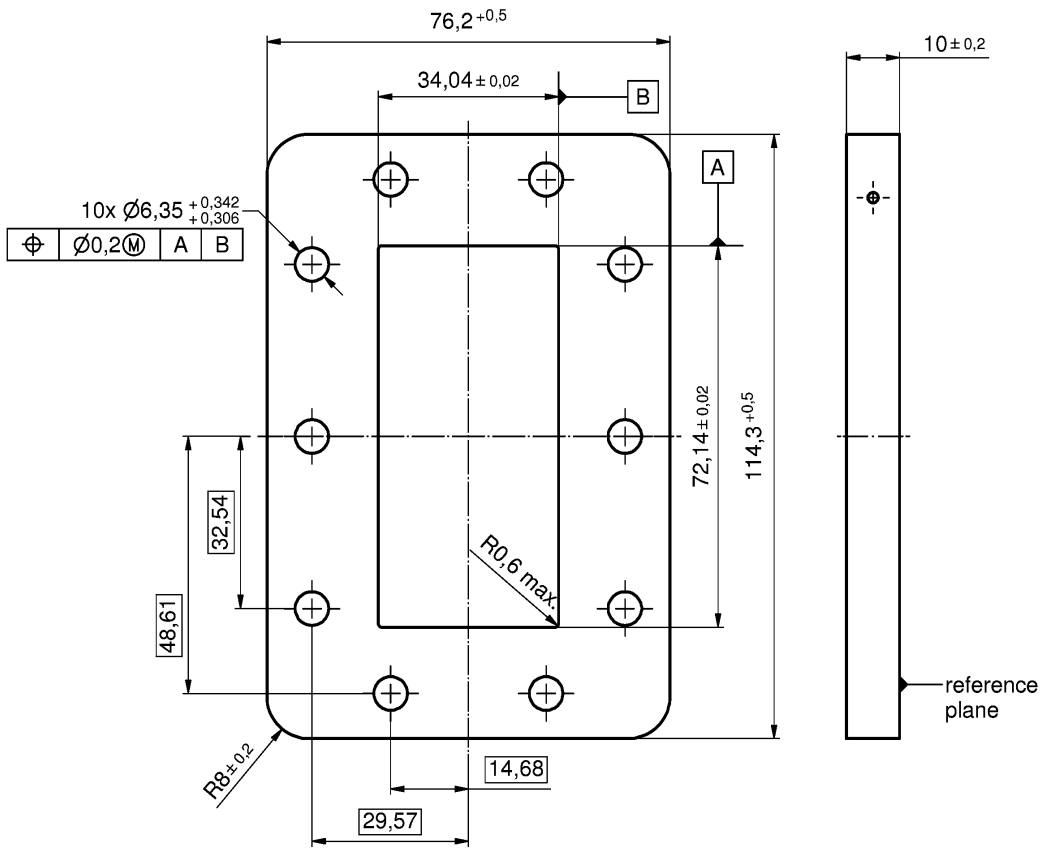

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