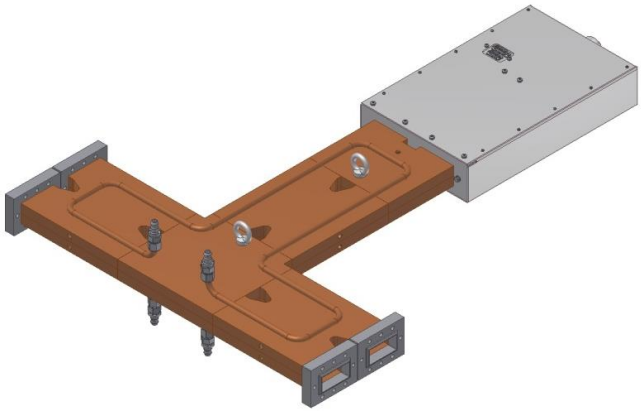
R32 variable coupler || BN 768837



Radio frequency characteristics

Interface type / material / surface finish	4x R32 LIL / stainless steel / copper plated
Frequency range	2.998 GHz ± 10 MHz
Peak power capability, max.	45 MW*
VSWR, max. / typ.	1.10 / 1.05
Insertion loss, typ.	0.1 dB
Transmission attenuation	0.1 to 30 dB
corresponding coupling attenuation	30 to 0.1 dB
Setting accuracy	0.1 dB (0,1 to 15 dB) 0.2 dB (15 to 24 dB) 0.5 dB (24 to 30 dB)
Isolation, min.	30 dB

** Conditions:*
- *waveguide evacuated to absolute pressure, max. $1 \cdot 10^{-4}$ Pa ($1 \cdot 10^{-6}$ mbar)*
- *Temperature of waveguide, max. 40 °C*
- *Load VSWR, max. ∞*
- *Pulse width, max. 15 µs*
- *Pulse repetition rate, max. 20 Hz*

General mechanical data

Leakage rate, max.	$1 \cdot 10^{-10}$ Pa·m³/s ($1 \cdot 10^{-9}$ mbar·l/s)
Case material	aluminum alloy
Case surface finish	no finish
Waveguide material	OFHC Copper
Waveguide surface finish	Painted on request
Position feedback	potentiometric position transducers
Interface for stepper motor	D-subminiature: DE9M
Interface for limit switches and linear potentiometer	D-subminiature: DA15M
Interface cooling loop	Swagelok Push-On compatible for hose DN ½"
Absolute operating pressure cooling loop, max.	1 x 10^6 Pa (10 bar)
Marking	adhesive label
Bakeable to	170 °C (waveguide part only, if selected without painting)
Weight, approx.	75 kg

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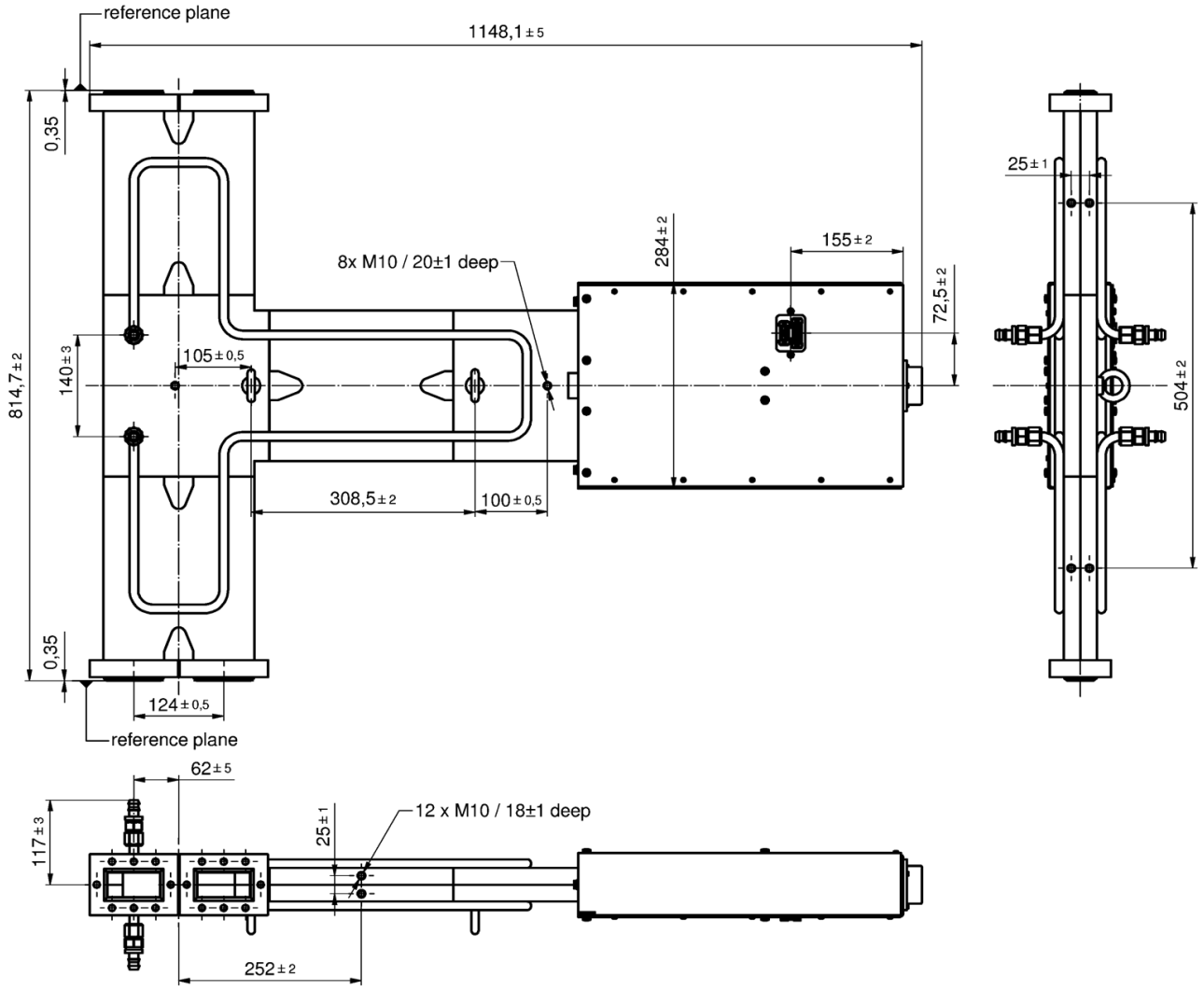
General environmental conditions

Operation	
Ambient temperature range	+10 to +50 °C
Relative humidity, max.	95% (condensation not permitted)
IP protection level	IP40 per EN 60529 (all interfaces connected with appropriate gaskets)
Storage	
Ambient temperature range	-20 to +50 °C
Relative humidity, max.	95% (condensation not permitted)

Outline and dimensions (all dimensions in millimeters)



Template TD-00002H

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