

# YSRT30-40-K

Coaxial RF Termination, DC-40 GHz, 30 W, 2.92 mm Connector, 50 Ohm

## Key Features

- 30 W avg. power @ 25°C
- DC to 40 GHz frequency range
- VSWR  $\leq 1.30$
- 2.92 mm female or male connector options

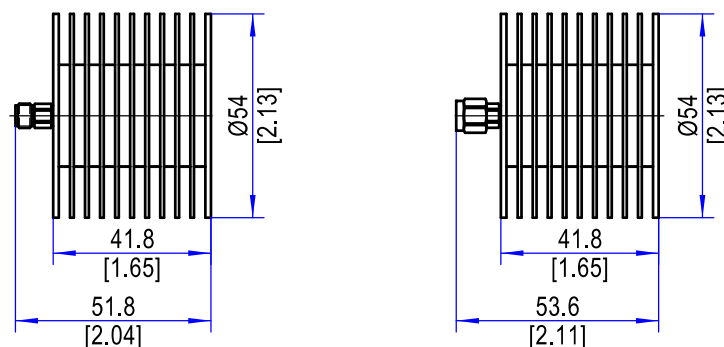
## Applications

- Test & measurement systems
- Microwave & RF laboratory setups
- High-frequency communication systems
- Radar and aerospace electronics
- Component characterization and calibration

Electrical Specifications		
1	Nominal Impedance	50 $\Omega$
2	Average Power <sup>1</sup>	30 W @ 25°C
3	Peak Power	200 W (pulse width: 5 $\mu$ s, duty cycle: 10%)
4	Frequency Range	DC- 40 GHz
5	VSWR	$\leq 1.30$
Environmental Specifications		
1	Operating Temperature	-55°C to +125°C
Mechanical Specifications		
1	Connectors	2.92 mm Female / Male
2	Body Material	Connector: Passivated Stainless Steel Heat Sink: Black Anodized Aluminum
3	Insulation	PEI
4	Inner Conductor	Gold plated brass/beryllium brass

Note 1: Power derates linearly to 3 W at +125°C.

## Outline Drawing (Units: mm/[inch], Tolerance: $\pm 0.3$ mm)



Outline A

Outline B

## Ordering Information:

Model	Connector Type	Outline Drawing
YSRT30-40-K	2.92 mm Female (default)	Outline A
YSRT30-40-KM	2.92 mm Male	Outline B