



# Low Power Terminations

When performance counts

Synergy's new range of Low Power SMA & SMP terminations provide a small form factor and high performance, giving more flexibility in the design and integration of the radio frequency equipment.



### SMA Terminations

- 1W & 2W range with working frequency up to 18 and 26.5 GHz
- Male, Female, and Chain & Cord models available

### SMP Terminations

- 1W range with working frequency up to 18 GHz
- Male & Female models available

Average Power @ 25 °C (W)  
(Free Air cooled)

R404N6xxxx (SMP)  
1W

R404N0xxxx (SMA)  
1W & 2W Models

	R404N6xxxx (SMP) 1W	R404N0xxxx (SMA) 1W & 2W Models
Operating Frequency (GHz)	DC - 18 GHz	DC - 18 GHz DC - 26.5 GHz
V.S.W.R	1.2 up to 18 GHz	1.2 up to 18 GHz 1.2 up to 22 GHz 1.35 up to 26.5 GHz
Impedance (Ω)		50
DC Resistance (Ω)		50 ± 5%
Peak power @ 25 °C (1μs, 1%) (W)		100
Operating temperature range (°C)		-55 / +125
Storage temperature range (°C)		-55 / +125



Reliable and small, Synergy's Low Power Terminations provide end users flexibility in their design.

*When performance counts*



Type	Connection	Frequency	Power	References	Designation	
SMA		18 GHz	1W	ST404N05000	TERM SMA M 18 GHZ 1W	
				ST404N05121	TERM SMA M 18 GHZ 1W CORD	
				ST404N05120	TERM SMA M 18 GHZ 1W CHAIN	
				ST404N06000	TERM SMA F 18 GHZ 1W	
			2W	ST404N01000	TERM SMA M 18 GHZ 2W	
				ST404N01121	TERM SMA M 18 GHZ 2W CORD	
				ST404N01120	TERM SMA M 18 GHZ 2W CHAIN	
				ST404N02000	TERM SMA F 18 GHZ 2W	
SMP		26.5 GHz	1W	ST404N07000	TERM SMA M 26.5 GHZ 1W	
				ST404N08000	TERM SMA F 26.5 GHZ 1W	
			2W	ST404N03000	TERM SMA M 26.5 GHZ 2W	
				ST404N04000	TERM SMA F 26.5 GHZ 2W	
			18 GHz	1W	ST404N61000	TERM SMP M 18 GHZ 1W
					ST404N62000	TERM SMP F 18 GHZ 1W

### Features & Benefits

- Excellent RF Performance & Robustness
  - » VSWR 1.2 up to 18 GHz / 1.35 up to 26.5 GHz
  - » IP67 rated (for SMA Termination)
  - » 48h Salt fog (for SMA Termination)
- Miniaturized Form factor
- Competitive Price

### Applications

- Embedded Military
- Telecom
- Medical or Aerospace radio frequency equipment