RFS Technologies TPS\* series of Tappers unevenly split high power cellular signals in fixed ratios from 30:1 to 2:1 with minimal reflections or loss over the wireless bands in the range 350 - 2700 MHz.



The innovative asymmetric design ensures an excellent input VSWR and coupling flatness across the band. The lightweight design allows easy attachment to a wall.

Designed with only a few solder joints and an air dielectric, loss is minimized and reliability enhanced.

#### FEATURES / BENEFITS

- · Splits in ratio 3:1
- Small size and weight
- · 500 Watt average power rating
- · Minimal RF insertion loss
- · High reliability
- · 7-16 DIN-female connectors
- · Low PIM

# **Technical features**

#### **STRUCTURE**

Product Type	Unequal Divider/Tapper
Techn. Application	Indoor
Number of Input Ports	1
Number of Output Ports	2

#### **ELECTRICAL SPECIFICATIONS**

Frequency Range	MHz	350 - 960 1710 - 2700
Connector Type		7-16 DIN female
Max. VSWR / Return Loss	VSWR/dB	1.30/17.7 (1.3)
Insertion Loss max.	dB	1.3
Coupling Value	dB	6.1
Coupling Flatness max.	dB	±0.8
Intermodulation (IM3)		150 dBc with 2x20 W tones
Impedance	Ohm	50
Input Power (Splitter mode) avg.	W	500

### **TEMPERATURE SPECIFICATIONS**

**Temperature Range** 

MECHANICAL SPECIFICATIONS					
Height	mm (in)	89 (3.5)			
Width	mm (in)	32 (1.26)			
Length	mm (in)	32 (1.26)			

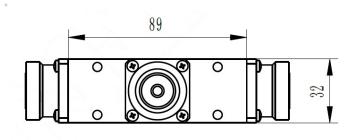
-10 to +55 (14 to +131)

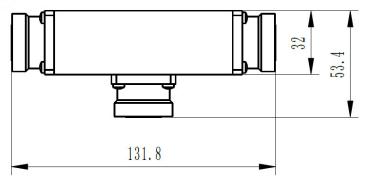
#### **TESTING AND ENVIRONMENTAL**

Fundamental Class	IDEE
Environmental Class	IP65

TPS3DE-350/2700 REV: A REV DATE: 30 May 2016 www.rfstechnologies.com

°C (°F)





Dimensions in mm

## **External Document Links**

Notes

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