



Product Description

RFS TP* series Tappers unevenly split high power cellular signals with minimal reflections or loss in ratios from 30:1 to 3:1. The design ensures flatness across the band for both main and branch lines over all the 380-2700 MHz band, except the narrow band between 1550-1650MHz. The small size and mechanical shape allows simple mounting. Designed with only screw joints and an air dielectric, the PIM and loss is minimized and reliability enhanced.



Features/Benefits

- Splits in ratio 10:1
- Small size and weight
- 500 Watt Average, 3KW peak Power Rating
- Minimal RF insertion loss
- High Reliability, IP68
- N-female connectors

Technical Features

Product Type	Unequal Divider/Tapper
Application	Outdoor
Frequency Range, MHz	380-2700
Number of Input Ports	1
Number of Output Ports	2
Connectors	N
Input Connector Type	N-female
Output Connector Type	N-female
Impedance, Ohm	50
Insertion Loss, dB	0.17, max.
VSWR (50 Ohm)	1.25, max.
Intermodulation (IM3)	-150 dBc with 2 x 43 dBm tones
Coupling Value, dB	10.0
Coupled Loss, dB	0.5
Power Ratio - between Outputs, dB	10:1 / 10
Input Power (Splitter mode), W	500, avg.
Max. RF Peak Power, W	3000
DC-Path	only through line
Temperature Range, °C (°F)	-35 to +75 (-31 to 167)
Height (Less Connectors), mm (in)	25.4 (1.00)
Width (Less Connectors), mm (in)	25.4 (1.00)
Length (Less Connectors), mm (in)	101.6 (4.00)
Mounts in 19" (483mm) EIA Rack	No
Weight, kg (lb)	0.30 (0.66)
Environmental Class	IP 68

Notes

Frequency Coverage: Branch Line: 380-2700MHz; Main Line: 148-2700MHz; Except, both: 1550-1650MHz

RFS The Clear Choice™

TP10E-380/2700

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