PASTERNACK®
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Low Loss 13 dB 7/16 DIN Unequal Tapper Optimized For Mobile Networks From 380 MHz to 6 GHz Rated To 300 Watts

TECHNICAL DATA SHEET PE-T2008

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Pasternack's Line of High Power Wideband Tappers have been designed to maintain a Split Ratio across all frequencies between 380MHz and 6Ghz. There is minimal Insertion Loss, VSWR, and Low PIM. Mechanically the parts have no solder joints inside the Aluminum Casing and are IP65 / IP67 rated allowing for placement in rugged environments. This setup along with select bands optimization makes them ideal for Mobile Networks Infrastructure.

- Split Ratios Ranging from 1:3 to 1:1000
- Power Ratings up to 300 Watts
- Low PIM (150dBc) Low VSWR (1.15)
- Rugged Designs available with optional mounting brackets

Configuration

Design	Low Loss Tapper
Frequency Range, GHz	0.38 to 6
Input	7/16 DIN Female
Output	7/16 DIN Female
Sample Port	7/16 DIN Female
Number of Output Ports	2
Housing Material and Plating	Passivated Aluminum

Electrical Specifications

Split Ratio	1:19
Number of Bands	4
Impedance, Ohms	50
Maximum Insertion Loss, dB *	0.39
Maximum Input Power, Watts	300
Maximum Input VSWR	1.25:1
Peak Input Power, KWatts	3
Passive Intermodulation (2 x 43 dBm), dBc	150

Band 1

Frequency, GHz	0.38 to 1.55
Coupling Tolerance, dB	0.8
VSWR	1.15

Band 2

Frequency, GHz	1.65 to 2.7
Coupling Tolerance, dB	0.8
VSWR	1.15:1

Band 3

Frequency, GHz	3.4 to 4.5
Coupling Tolerance, dB	1
VSWR	1.25:1

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low Loss 13 dB 7/16 DIN Unequal Tapper Optimized For Mobile Networks From 380 MHz to 6 GHz Rated To 300 Watts PE-T2008

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Band 4

Range, GHz	5 to 6
Coupling Tolerance, dB	3
VSWR	1.2:1

Mechanical Specifications

Size

Length, in [mm]	5.71 [145.03]
Width, in [mm]	1.5 [38.1]
Height, in [mm]	2.34 [59.44]
Weight, lbs [g]	0.75 [340.19]
Humidity	IP65

Connector 1

Contact Material and Plating	Brass, Silver
Outer Conductor Material and Plating	Brass, Silver
Body Material and Plating	Brass, Silver

Connector 2

Contact Material and Plating	Brass, Silver
Outer Conductor Material and Plating	Brass, Silver
Body Material and Plating	Brass, Silver

Connector 3

Contact Material and Plating	Brass, Silver
Outer Conductor Material and Plating	Brass, Silver
Body Material and Plating	Brass, Silver

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

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Plotted and Other Data

* Notes:
  - Values at 25 °C, sea level
  - Main line VSWR usable to DC
  - Coupling Port usable to 148 MHz or less with acceptable roll-off.
  - Insertion Loss = Dissipative Loss + Coupling Loss
  - Resonant Free in listed operating bands, Resonance may occur outside specified operating bands

Low Loss 13 dB 7/16 DIN Unequal Tapper Optimized For Mobile Networks From 380 MHz to 6 GHz Rated To 300 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/low-loss-13db-7-16-unequaltapper-380-mhz-6-ghz-300watts-pe-t2008-p.aspx

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PE-T2008 CAD Drawing

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