

30/150 W Triplexers for the 0-174 MHz, 380-520 MHz and 760-960 MHz Ranges

DESCRIPTION

- Triplexer for combining or splitting the three ranges:
 - 0 – 174 MHz
 - 380 – 520 MHz
 - 760 – 960 MHz.
- 2 versions:
 - Max. composite input power 30 W
 - Max. composite input power 150 W
- Chebychev design ensures very high isolation across the entire pass ranges.
- High Power handling capability.
- Low insertion loss.
- Low weight.
- Wide temperature range.
- Aluminium box ensures extraordinarily high mechanical strength.
- Black vinyl coated to prevent corrosion.
- SMA(f) connectors on all ports.
- 150 W version provided with heatsink.



SPECIFICATIONS

Electrical		
Model	PRO-TRI 174/380-520/760-960-SMA	PRO-TRI 174/380-520/760-960-SMA HP
Frequency	COM-LOW port: 0-174 MHz COM-MID port: 380-520 MHz COM-HIGH port: 760-960 MHz	
Max. Input Power	30 W	150 W
Max. Input Power Per Ch.	LOW port: 30 W CW MID port: 30 W CW HIGH port: 30 W CW	LOW port: 150 W CW MID port: 150 W CW HIGH port: 75 W CW
Insertion Loss	COM-LOW port: 0-174 MHz: ≤ 0.4 dB COM-MID port: 380-520 MHz: ≤ 0.6 dB COM-HIGH port: 760-960 MHz: ≤ 0.7 dB	
Impedance	50 Ω	
Isolation	> 50 dB	
VSWR	< 1.5:1	
Mechanical		
Connection(s)	SMA female on all ports	
Dimensions	115 x 88 x 25 mm / 4.5 x 3.5 x 0.9" (incl. connectors)	115 x 88 x 65 mm / 4.5 x 3.5 x 2.5" (incl. connectors)
Weight	Approx. 265 g / 0.6 lb	Approx. 580 g / 1.3 lb
Mounting	ø5.0 mm (2 holes)	
Environmental		
Operating temperature range		-30 to 60 °C
Ingress Protection		IP64

ORDERING

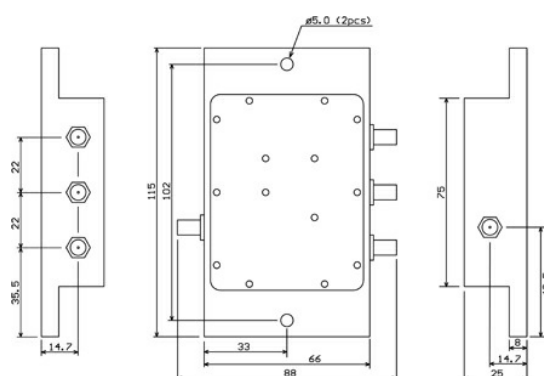
Model	Product No.	Description
PRO-TRI 174/380-520/760-960-SMA HP	200002727	150 W
PRO-TRI 174/380-520/760-960-SMA	200002726	30 W

PRO-TRI 174/380-520/760-960-SMA HP:



MECHANICAL OUTLINE

PRO-TRI 174/380-520/760-960-SMA:



PRO-TRI 174/380-520/760-960-SMA HP:

TYPICAL S-PARAMETER CURVES

