

PRO-TRI 174/350-520/760

60 W Triplexer for the 0 - 174 MHz, 350 - 520 MHz and 760 - 2200 MHz Ranges Tanges

- Triplexer for combining or splitting the three ranges:
 - VHF, 0 - 174 MHz
 - UHF, 350 - 520 MHz
 - LTE800, GSM900, GSM1800, UMTS, 760 - 2200 MHz.
- Chebychev design ensures very high isolation across the entire pass ranges.
- High power handling capability.



DESCRIPTION

- Low insertion loss.
- Low weight.
- Wide temperature range.
- Milled aluminium box ensures extraordinarily high mechanical strength.
- Coated with 2-component lacquer for maximum weather protection.
- N-connectors on all ports.

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-TRI 174/350-520/760-N(f)	200002563



SPECIFICATIONS

ELECTRICAL			
MODEL	PRO-TRI 174/350-520/760		
FREQUENCY	COM-LOW port: 0 - 174 MHz COM-MID port: 350 - 520 MHz COM-HIGH port: 760 - 2200 MHz		
MAX. RF POWER	60W CW simultaneously on both HIGH, MID and LOW port		
INSERTION LOSS	0 - 174 MHz: ≤ 0.5 dB 350 - 520 MHz: ≤ 0.8 dB 760 - 2200 MHz: ≤ 1.1 dB		
ISOLATION BETWEEN LOW, MEDIUM and HIGH ports	≥70 dB		
IMPEDANCE	Nom. 50 Ω		
SWR	LOW port:	Max. 1.5:1	
	MID port:	Max. 1.5:1	
	HIGH port:	760 - 2000 MHz:	Max. 1.5:1
		2000 - 2200 MHz:	Max. 2.0:1
MECHANICAL			
CONNECTORS	N-female		
DIMENSIONS (L x W x H)	127 x 100 x 30 mm / 5.0 x 3.94 x 1.18 in. (incl. connectors)		
WEIGHT	Approx. 600 g / 1.32 lb.		
MOUNTING	ø4.1 mm / ø0.16 in. (4 holes)		
ENVIRONMENTAL			
TEMP.RANGE*	-40° C to +80° C		
IP-RATING	IP65		

* Temperature on box surface. Adequate cooling to keep max. temperature below +80° C must be provided.

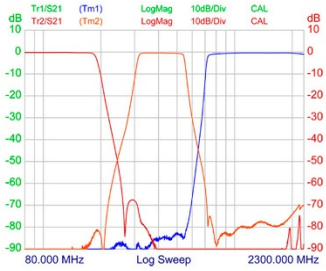
TYPICAL RESPONSE CURVES

INSERTION LOSS [dB]



TYPICAL RESPONSE CURVES

PORT ATTENUATION [dB]



MOUNTING DETAILS

