



Outdoor RF Passives

3MSP804-AC-PG11

The 3MSP804-AC-PG11 is one of our extensive 3M range. The 3M-Series splitters, taps and power inserters are high performance passives for splitting signal and power in coaxial branches and distribution networks. With a frequency range of 1218 MHz, it is designed to fully support Docsis 3.1 signals. The 3MSP804-AC-PG11 is a combined splitter and power inserter in a single housing using PG11 connectors.



3MSP804-AC-PG11 features

- High performance
- Intended for use in branch and distribution network
- Frequency range up to 1218 MHz
- Power feed up to 12A
- Power fuse protection
- PG11 thread (5/8 optional)
- Lid with test point facility

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RF PASSIVES

TECHNICAL CHARACTERISTICS			
Frequency range (MHz)	Typ.	Min.	Max.
INSERTION LOSS (dB) - IN TO OUT			
5...15	7.3		7.8
15...47	7.1		7.6
47...470	7.3		7.8
470...862	7.8		8.3
862...1006	8.0		8.5
1006...1218	8.8		9.3
ISOLATION (dB) - OUT TO OUT			
5...15		22.0	
15...47		28.0	
47...470		28.0	
470...862		25.0	
862...1006		22.0	
1006...1218		22.0	
RETURN LOSS (dB) - IN/OUT 1-4			
5...15		16.0	
10...1218		18.0 ⁽¹⁾	
GENERAL SPECIFICATIONS			
Impedance	75 Ohm	Operating temperature range	-40 to + 55°C
Frequency range	5-1218 MHz	EMC compatibility	EN50083-2, Class A
HUM of Output ports @ 12A		HUM of Output ports @ 8A	
5...15	55 dBc	5...15	60 dBc
15...1006	60 dBc	15...1006	70 dBc
1006...1218	55 dBc	1006...1218	60 dBc
Fuses IN, OUT 1-4, pluggable copper blade	Max. 15A	Connectors	PG11 thread
Test point cover	5/8 thread	Max. current	
		Output ports	12A @ 65 VAC
		Power Inserter (AC IN)	15A @ 65 VAC
Class of enclosure	IP66	Surge immunity ⁽²⁾ - each port (min.)	1 kV
Dimensions L x W x H	110 x 240 x 257 mm	Weight	0,9 kg
NOTES			
(1) At F≥40 MHz -1.5 dB per octave, with a minimum of 15 dB			
(2) 1 kV, 1,2/50 μs Surge voltage according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port			
BLOCK DIAGRAM	ACCESSORIES		
	PG11M-3.5/12F-26mm	PG11m-AC	AD-041
	Adapter PG11 male-3.5/12 female 	Power cable with PG11 male connector, 2 wire, L=2m 	Adapter 5/8"-F-female with DC blocking and 20dB attenuator
ORDERING INFORMATION			
3MSP804-AC-PG11	4-way splitter 1218 MHz with power inserter 12A, PG11 ports		

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