

Insertor de Potencia 1.2GHz

MeshTek



DESCRIPCION

Insertor de Potencia – 1.2GHz

MODELO

MT PI A

CODIGO WT

4291305

Casa Central

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1 - CARACTERÍSTICAS

- ❖ Rango de frecuencia expandido para DOCSIS 3.1
- ❖ Ancho de Banda 5 – 1218 MHz.
- ❖ Paso de corriente de 17 Amp.
- ❖ Power Passing.
- ❖ Port de sellado Epoxi
- ❖ Puertos F sellados a la humedad
- ❖ IP68
- ❖ RF Shielding > 110dB.
- ❖ Optimo rendimiento para señales digitales.

2 – Características Mecánicas

Mechanical	Value
Water and dust ingress rating	IP68
Dimensions (H x W x D)	4.5 x 5.5 x 3 in. (114.3 x 139.7 x 76.2 mm)
Weight	1.3 lb (0.6 kg)
Bolt Torque Requirements	<ul style="list-style-type: none">• Center conductor seizure: 15 lb-in to 20 lb-in (1.7 Nm to 2.3 Nm)• Housing closure: 50 lb-in to 60 lb-in (5.6 Nm to 6.8 Nm)• Port plugs: 50 lb-in to 60 lb-in (5.6 Nm to 6.8 Nm)
Connector pull out	100 lb. min.
Operating temperature	-40 to 140 °F (-40 to 60 °C)
Mechanical	SCTE IPS-SP-420 - entry port interface specification
Emissions	FCC - Part 76, Subpart K EN 50083-2
Environmental	ASTM G 53 - weathering specification ASTM B 117 - salt spray specification ASTM D 3170 - chip resistance specification ASTM G 21 - fungus growth rate of zero EN 50083-1
Electrical Safety	UL/CSA 60950-1

3 – Especificaciones Técnicas

Parameters	Frequency	DC-8		DC-12		DC-16		2 Way Splitters		3 Way Splitters		3 Way Splitters Unbalanced				PI			
	(MHz)	8.5		12.5		16						Low		High					
Tap Loss Tolerance 5-862MHz ±1.0dB 863-1218MHz ±1.5dB																			
Insertion Loss		TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM	TYP	GM		
In to Out RF to RF -dB Max	5 to 10	1.9	2.2	1.0	1.2	0.9	1.1	3.7	4.0	5.3	5.7	3.7	4.0	7.3	7.5	0.7	0.8		
	11 to 65	1.8	2.1	0.9	1.1	0.8	0.9	3.6	3.9	5.2	5.6	3.6	3.9	7.2	7.4	0.6	0.8		
	66 to 300	2.1	2.3	1.1	1.3	0.8	1.0	3.8	4.0	5.5	5.6	3.8	4.0	7.3	7.5	0.6	0.8		
	301 to 470	2.2	2.5	1.3	1.7	1.0	1.3	3.9	4.3	5.7	6.0	3.9	4.3	7.5	7.8	0.8	1.0		
	471 to 862	2.3	2.7	1.8	2.3	1.5	1.6	4.0	4.5	6.0	6.3	4.0	4.5	7.9	8.4	1.0	1.2		
	863 to 1002	2.5	2.8	2.3	2.5	1.6	1.8	4.5	5.0	6.5	6.8	4.3	5.0	8.2	8.8	1.1	1.3		
	1003 to 1218	2.8	3.2	2.5	2.8	1.8	2.2	4.8	5.2	6.8	7.3	4.5	5.2	8.5	9.2	1.2	1.7		
Isolation Loss		Out to Tap						Out to Out						RF to AC					
Out to Tap Out to Out RF to AC -dB Min	5 to 10	24	20	25	20	25	20	22	20	22	20	22	20	22	20	22	65	55	
	11 to 65	26	22	28	22	30	22	28	25	28	25	28	25	28	25	28	68	60	
	66 to 470	26	24	28	24	30	24	26	25	26	25	26	25	26	25	26	63	58	
	471 to 860	26	23	28	23	30	23	25	22	25	22	25	22	25	22	25	60	56	
	863 to 1002	26	22	27	22	28	22	24	22	24	22	24	22	24	22	24	53	52	
	1003 to 1218	22	20	25	20	26	20	22	20	22	20	22	20	22	20	22	20	53	50
Return Loss		In Out Tap						In Out						RF					
In Out Tap RF -dB Min	5 to 10	17	16	17	16	17	16	17	16	17	16	17	16	17	16	17	16	18	16
	11 to 65	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18	20	18
	66 to 470	18	17	18	17	18	17	18	17	18	17	18	17	18	17	18	17	20	18
	471 to 860	18	17	18	17	18	17	18	17	18	17	18	17	18	17	18	17	20	18
	863 to 1002	18	17	18	17	18	17	18	17	18	17	18	17	18	17	18	17	19	17
	1003 to 1218	17	16	17	16	17	16	17	16	17	16	17	16	17	16	17	16	17	16

4 – Modelos disponibles

Description	Model Number	Part Number	Value
MT-SP2A/10A	1110425-001	2-way splitter,5-1218 MHz, 10 Ampere	Hum modulation @ 10A (typical): 5-10 MHz:60 dBc 11-870 MHz:65 dBc 871-1218 MHz: 65 dBc Power passing: • 10 A, 60/90 VAC, 60 Hz • 6 kV Surge Resistant (combination wave)
MT-SP3A/10A	1110425-002	3-way splitter,5-1218 MHz, 10 Ampere	
MT-SP3UA/10A	1110425-003	3-way balanced splitter,5-1218 MHz, 10 Ampere	
MT-1T08A/10A	1110425-004	8 dB directional coupler,5-1218 MHz, 10 Ampere	
MT-1T12A/10A	1110425-005	12 dB directional coupler,5-1218 MHz, 10 Ampere	
MT-1T16A/10A	1110425-006	16 dB directional coupler,5-1218 MHz, 10 Ampere	
MT-PW/15A	1115425-007	Power inserter, 5-1218 MHz, 15 Ampere	
MT-SP2A/17A	1117425-008	2-way splitter,5-1218 MHz, 17 Ampere	Hum modulation @ 17A (typical): 5-10 MHz: 55 dBc 11-870 MHz: 60 dBc 871-1218 MHz: 55 dBc Power passing: • 17 A, 60/90 VAC, 60 Hz • 6 kV Surge Resistant (combination wave)
MT-SP3A/17A	1117425-009	3-way splitter,5-1218 MHz, 17 Ampere	
MT-SP3UA/17A	1117425-010	3-way balanced splitter,5-1218 MHz, 17 Ampere	
MT-1T08A/17A	1117425-011	8 dB directional coupler,5-1218 MHz, 17 Ampere	
MT-1T12A/17A	1117425-012	12 dB directional coupler,5-1218 MHz, 17 Ampere	
MT-1T16A/17A	1117425-013	16 dB directional coupler,5-1218 MHz, 17 Ampere	
MT-PW/22A	1122425-014	Power inserter, 5-1218 MHz, 22 Ampere	