

DATASHEET

Three Phase Ultra Low Leakage Power Line Filter – TMF911UL

These ultra-low leakage powerline filters are designed for secure and safety-critical systems that demand stringent control of earth leakage current while maintaining very high EMI attenuation over a broad frequency range. Using a low-leakage, current-compensated inductor topology with carefully controlled line-to-earth capacitance, the TMF911UL series support compliance with TEMPEST and other high-security EMC requirements without compromising operator safety or protection devices.

Technical Specifications:

Rated Voltage	: 440VAC
Current Rating	: 10A to 200A @50°C
Number of Lines	: 3 Lines
Frequency	: 50/60 Hz
Discharge Resistors	: Line to Ground - 10MΩ Line to Line - 1MΩ
High Potential Test Voltage	: Line to Ground - 3000VDC Line to Line - 2500VDC

Features:

- Ultra-low earth leakage current
- Built-in discharge resistors for safe de-energization

Applications:

- Shielded Rooms
- Radar Power Supplies
- EMC Test Chambers
- Command and Control Centers
- Data Centers
- Combat/Tracked Vehicles
- MIL Grade Panels

Performance Indicator:



Rated Current (A):



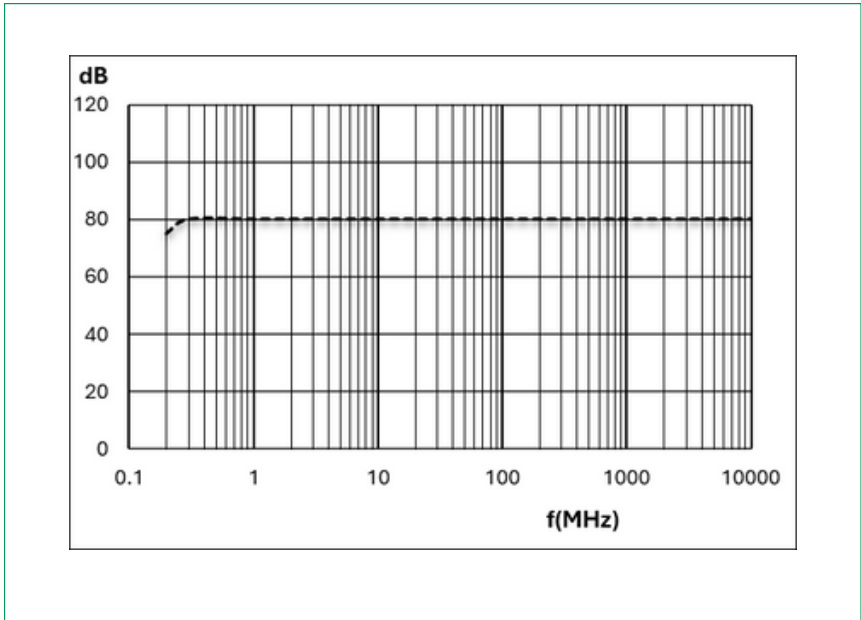
Mechanical Dimensions :

Rated Current (A)	A	B	C	D	E	ØF	G	H	ØJ	K	L	M	N	P
10	350	250	90	252	125	32	M5	M6	9	145	52.5	45	45	49
16	350	250	90	252	125	32	M5	M6	9	202	52.5	45	45	49
40	550	300	115	460	150	32	M8	M10	9	200	50	48	45	45
63	550	300	115	460	150	32	M8	M10	9	200	50	48	45	45
100	660	300	135	560	150	32	M8	M10	9	200	50	68	50	50
125	700	400	150	590	200	51	M12	M12	13	280	60	75	55	55
150	700	400	150	590	200	51	M12	M12	13	280	60	75	55	55
200	700	400	150	590	200	51	M12	M12	13	280	60	75	55	55
250	700	400	150	590	200	51	M12	M12	13	280	60	75	55	55

All dimensions are in mm;

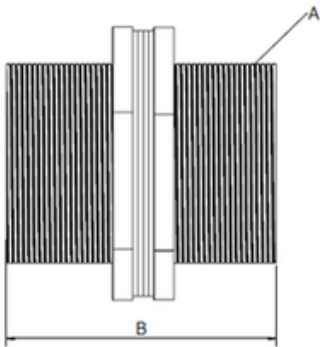
Note: The output threaded tube or Bulk-head Penetration Pipe along with accessories shall be supplied on request

Insertion Loss Graph (50Ω):



Accessories Details :

Bulk Head Penetration Kit

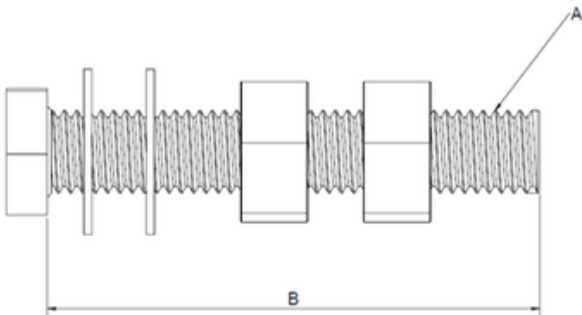


Accessories :

- 1. Threaded Pipe - 1 No
- 2. Plain Washer - 2 No's
- 3. Hex Nut - 2 No's
- 4. Gasket - 2 No's

SL No.	Part Number	Description	Thread(A) X Length(B)
1	E111914-1	BULKHEAD PENETRATION KIT FOR M20	M20X100
2	E111915-1	BULKHEAD PENETRATION KIT FOR M25	M25X100
3	E111916-1	BULKHEAD PENETRATION KIT FOR M32	M32X100
4	E111917-1	BULKHEAD PENETRATION KIT FOR M40	M40X100
5	E111918-1	BULKHEAD PENETRATION KIT FOR M50	M50X100
6	E111919-1	BULKHEAD PENETRATION KIT FOR M63	M63X100
7	E111920-1	BULKHEAD PENETRATION KIT FOR M75	M75X100

Fixing Screw Kit



Accessories :

- 1. Bolt - 1 No
- 2. Plain Washer - 2 No's
- 3. Hex Nut - 2 No's

SL No.	Part Number	Description	Thread(A) X Length(B)
1	E111921-1	FIXING SCREW KIT FOR M5	M5X40
2	E111922-1	FIXING SCREW KIT FOR M6	M6X40
3	E111923-1	FIXING SCREW KIT FOR M8	M8X50
4	E111924-1	FIXING SCREW KIT FOR M10	M10X50
5	E111925-1	FIXING SCREW KIT FOR M12	M12X60
6	E111926-1	FIXING SCREW KIT FOR M16	M16X60
7	E111927-1	FIXING SCREW KIT FOR M20	M20X70

Note: The suggested Fasteners can be used with a mounting surface thickness up to 20mm