

MT090 Series

Through bore 90mm(3.54"), Overall Diameter: 185mm

MT090 series provides a 90mm(3.54") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 185mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

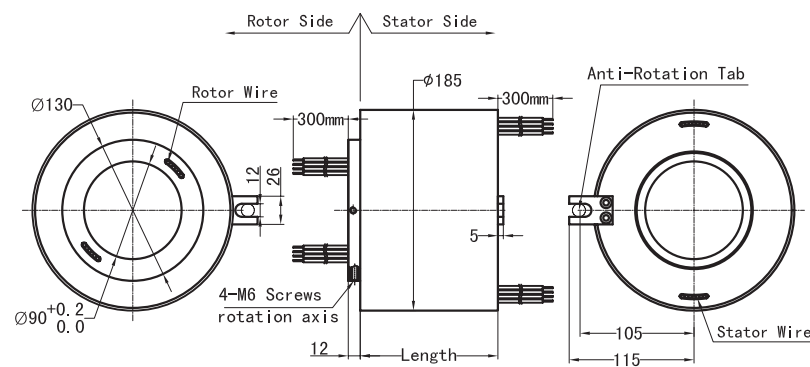


Specifications

Rings	3~96(see table as below)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	250RPM
Through bore size	90mm(3.54")	Overall diameter	185mm(7.28")
Housing Material	Aluminium Alloy	Torque	0.2N.m;+0.03N.m/6rings
Working life	80million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	<2 mOhm
Dielectric strength	1000VDC@50Hz	Lead Wire	UL Teflon@ Awg22,Awg16,Awg12
Insulation resistance	1000MΩ@600VDC	Lead Lengths	300mm(12")
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 85% RH
Materials	Lead Free,RoHS compliant	Certified	YES

Drawings

Standard drawings:



MT090

Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	5	YEL	9	GRY
2	BRN	6	GRN	10	WHT
3	RED	7	BLU	11	PINK
4	ORN	8	PURPLE	12	AZURY

12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12,indicated with number code pipe.

Parts List

*Please note: 10A rings parallel can be used as multiple 10A current.

For Example: 2 rings parallel could be used as 1 wires 20A

MT09002 (Length=48mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09002-0200	2	0	MT09002-0002	0	2

MT09003 (Length=52mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09003-0300	3	0	MT09003-0003	0	3
MT09003-0102	1	2	MT09003-0201	2	1

MT09006 (Length=64mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09006-0600	6	0	MT09006-0006	0	6
MT09006-0204	2	4	MT09006-0402	4	2

MT09012 (Length=88mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09012-1200	12	0	MT09012-0012	0	12
MT09012-0210	2	10	MT09012-0408	4	8
MT09012-0606	6	6	MT09012-0804	8	4
MT09012-1002	10	2			

MT09018 (Length=112mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09018-1800	18	0	MT09018-0018	0	18
MT09018-0216	2	16	MT09018-0414	4	14
MT09018-0612	6	12	MT09018-0810	8	10
MT09018-1008	10	8	MT09018-1206	12	6
MT09018-1404	14	4	MT09018-1602	16	2

MT09024 (Length=136mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09024-2400	24	0	MT09024-0024	0	24
MT09024-0618	6	18	MT09024-1212	12	12
MT09024-1806	18	6			

Parts List

*Please note: 10A rings parallel can be used as multiple 10A current.
For Example: 2 rings parallel could be used as 1 wires 20A

MT09030 (Length=160mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09030-3000	30	0	MT09030-0030	0	30
MT09030-0624	6	24	MT09030-1218	12	18
MT09030-1812	18	12	MT09030-2406	24	6

MT09036 (Length=184mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09036-3600	36	0	MT09036-0036	0	36
MT09036-0630	6	30	MT09036-1224	12	24
MT09036-1818	18	18	MT09036-2412	24	12
MT09036-3006	30	6			

MT09042 (Length=208mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09042-4200	42	0	MT09042-0042	0	42
MT09042-0636	6	36	MT09042-1230	12	30
MT09042-1824	18	24	MT09042-2418	24	18
MT09042-3012	30	12	MT09042-3606	36	6

MT09048 (Length=232mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09048-4800	48	0	MT09048-0048	0	48
MT09048-0642	6	42	MT09048-1236	12	36
MT09048-1830	18	30	MT09048-2424	24	24
MT09048-3018	30	18	MT09048-3612	36	12
MT09048-4206	42	6			

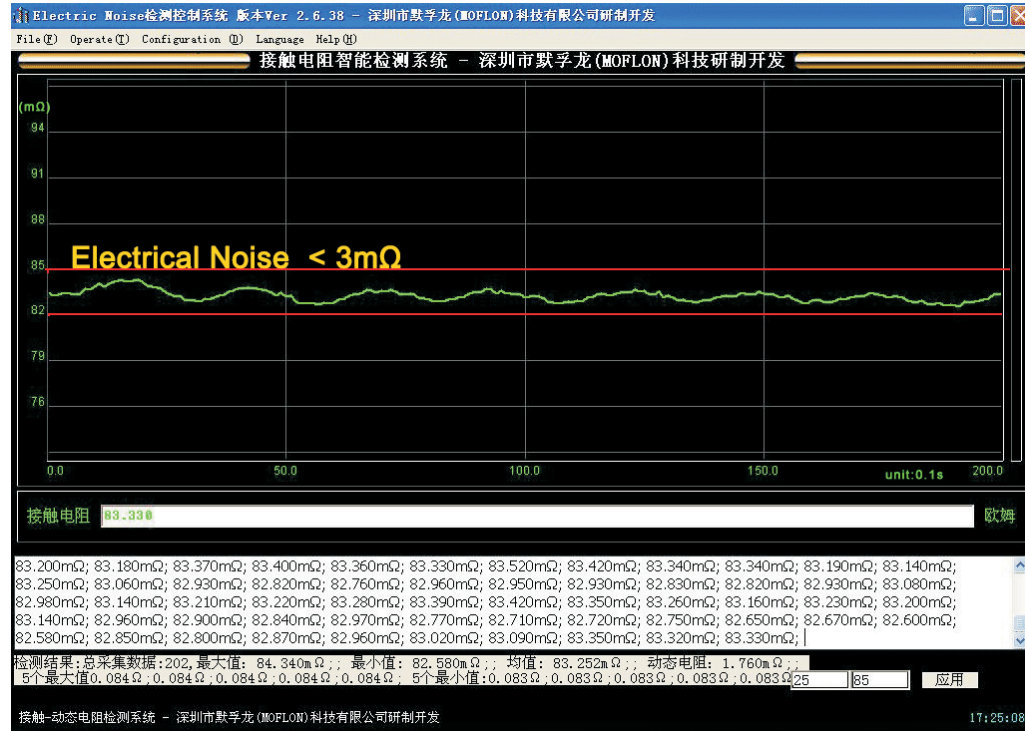
MT09056 (Length=268mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09056-5600	56	0	MT09056-0056	0	56
MT09056-0650	6	50	MT09056-1244	12	44
MT09056-1838	18	38	MT09056-2432	24	32
MT09056-3620	36	20	MT09056-4808	48	8

MT09072 (Length=328mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09072-7200	72	0	MT09072-0072	0	72
MT09072-1260	12	60	MT09072-2448	24	48
MT09072-3042	30	42	MT09072-3636	36	36
MT09072-4824	48	24	MT09072-6012	60	12

MT09096 (Length=424mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT09096-9600	96	0	MT09096-0096	0	96
MT09096-1284	12	84	MT09096-2472	24	72
MT09096-3660	36	60	MT09096-4848	48	48
MT09096-6036	60	36	MT09096-7224	72	24

Electrical Noise Test System

Slip Rings Assembly Work Shop



Working life Test System

