

## MT070 Series

Through bore 70mm(2.76"), Overall Diameter: 140mm

MT070 series provides a 70mm(2.76") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 140mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

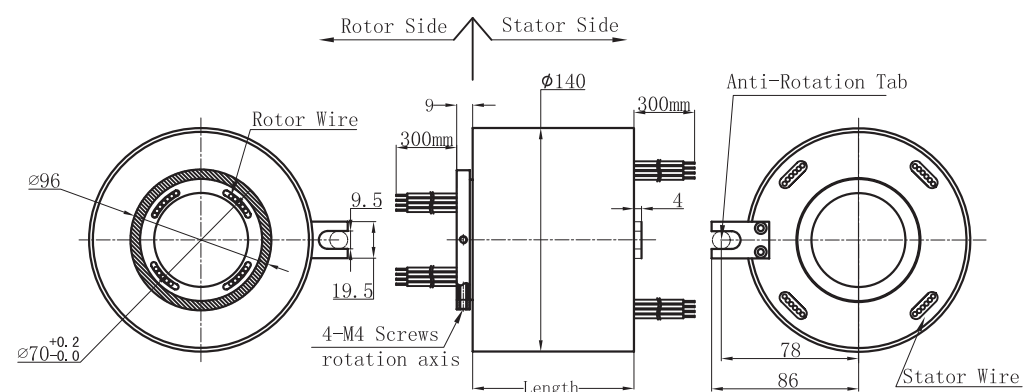


### Specifications

Rings	3~96(see table as below)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	500RPM
Through bore size	70mm(2.76")	Overall diameter	140mm(5.51")
Housing Material	Aluminium Alloy	Torque	0.08N.m;+0.03N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<10 mOhm	Contact Resistance	< 2mOhm
Dielectric strength	1000VDC@50Hz	Lead Wire	UL Teflon@ Awg22,Awg16
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:



### MT070

#### 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

MT07002 (Length=42mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07002-0200	2	0	MT07002-0002	0	2

MT07003 (Length=46mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07003-0300	3	0	MT07003-0003	0	3
MT07003-0102	1	2	MT07003-0201	2	1

MT07006 (Length=58mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07006-0600	6	0	MT07006-0006	0	6
MT07006-0204	2	4	MT07006-0402	4	2

MT07012 (Length=82mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07012-1200	12	0	MT07012-0012	0	12
MT07012-0210	2	10	MT07012-0408	4	8
MT07012-0606	6	6	MT07012-0804	8	4
MT07012-1002	10	2			

MT07018 (Length=106mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07018-1800	18	0	MT07018-0018	0	18
MT07018-0216	2	16	MT07018-0414	4	14
MT07018-0612	6	12	MT07018-0810	8	10
MT07018-1008	10	8	MT07018-1206	12	6
MT07018-1404	14	4	MT07018-1602	16	2

MT07024 (Length=130mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07024-2400	24	0	MT07024-0024	0	24
MT07024-0618	6	18	MT07024-1212	12	12
MT07024-1806	18	6			

## Parts List

MT07030 (Length=154mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07030-3000	30	0	MT07030-0030	0	30
MT07030-0624	6	24	MT07030-1218	12	18
MT07030-1812	18	12	MT07030-2406	24	6

MT07036 (Length=178mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07036-3600	36	0	MT07036-0036	0	36
MT07036-0630	6	30	MT07036-1224	12	24
MT07036-1818	18	18	MT07036-2412	24	12
MT07036-3006	30	6			

MT07042 (Length=202mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07042-4200	42	0	MT07042-0042	0	42
MT07042-0636	6	36	MT07042-1230	12	30
MT07042-1824	18	24	MT07042-2418	24	18
MT07042-3012	30	12	MT07042-3606	36	6

MT07048 (Length=226mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07048-4800	48	0	MT07048-0048	0	48
MT07048-0642	6	42	MT07048-1236	12	36
MT07048-1830	18	30	MT07048-2424	24	24
MT07048-3018	30	18	MT07048-3612	36	12
MT07048-4206	42	6			

MT07056 (Length=262mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07056-5600	56	0	MT07056-0056	0	56
MT07056-0650	6	50	MT07056-1244	12	44
MT07056-1838	18	38	MT07056-2432	24	32
MT07056-3620	36	20	MT07056-4808	48	8

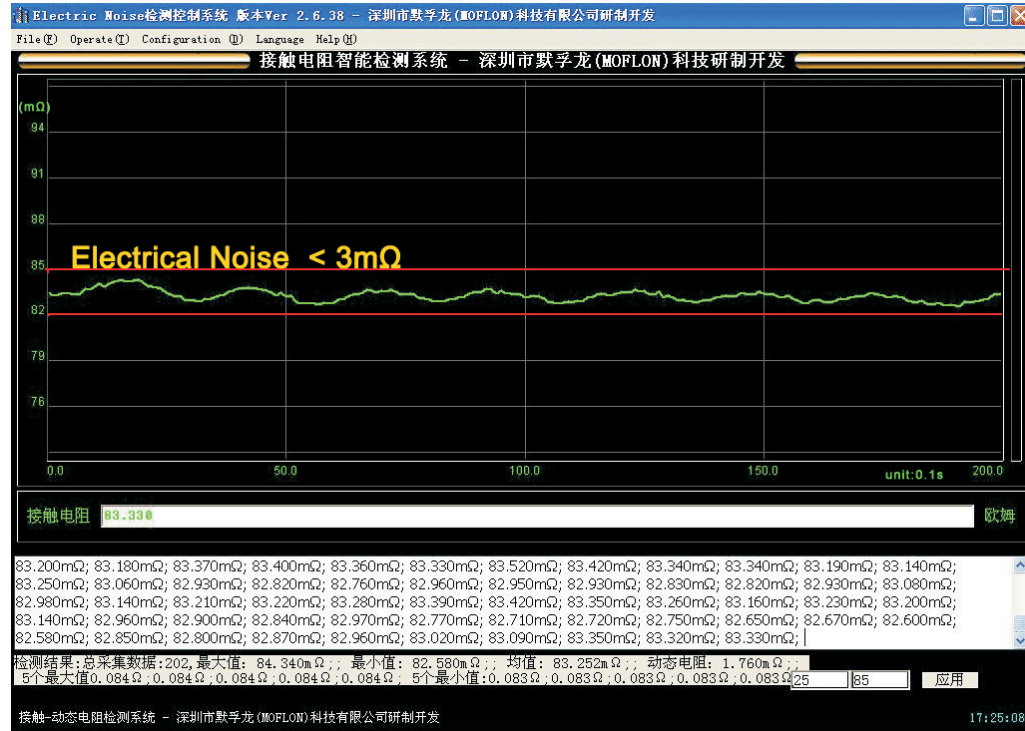
MT07072 (Length=322mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07072-7200	72	0	MT07072-0072	0	72
MT07072-1260	12	60	MT07072-2448	24	48
MT07072-3042	30	42	MT07072-3636	36	36
MT07072-4824	48	24	MT07072-6012	60	12

MT07096 (Length=418mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MT07096-9600	96	0	MT07096-0096	0	96
MT07096-1284	12	84	MT07096-2472	24	72
MT07096-3660	36	60	MT07096-4848	48	48
MT07096-6036	60	36	MT07096-7224	72	24

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

# Electrical Noise Test System

# Slip Rings Assembly Work Shop



# Working life Test System

