

◆ Telecom transformers RM & POT Series

FEATURES:

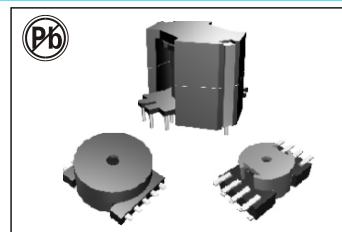
- High inductance.
- Low leakage inductance
- Low interwind capacitance
- Compact size and Surface-mounted
- Designed to meet UL, CSA, VDE, BABT safety standard

OPTIONS:

- Tape and reel is standard
- Bulk packaging available for Smaller quantities
- Custom design available
- Tolerance: 5% is standard, Tighter tolerance available
- RM 4, 5, 6, 7, 8, 10, 12, 14 available
- POT 3, 2, 4, 5, 6, 7, 9, 11, 14, 18, 22, 26, 30, 36, 42, 48 available

COMMON APPLICATIONS:

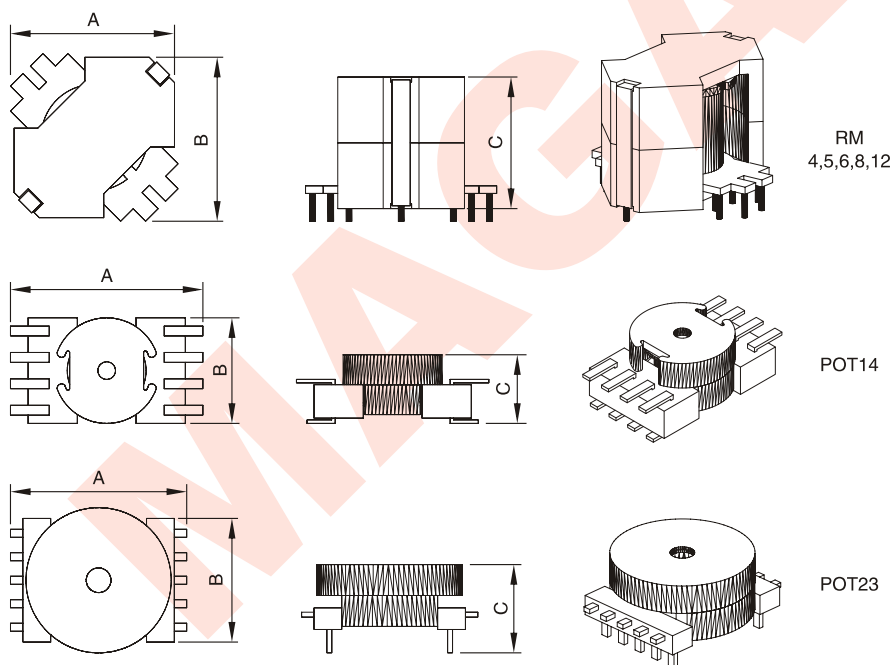
- Modem
- Fax machine, Hub
- ISDN, ADSL, HDSL, PABX
- Other telecommunication facilities etc
- Switching power supplies
- AC-DC, DC-DC converters



ELECTRICAL CHARACTERISTICS

Part No.	Inductance(10kHz/0.1V Typ)	Turn Ratio	DCR(Ω max)	Hi-pot (Pri-Sec)	Schematic
RM4	45.2mH ± 35%(3-4)	1:1(2-3:5-6)	2.5:2.5(2-3:5-6)	500VDC	A
RM5	43.5mH ± 6%(1-3:3-4)	1:1(1-3:4-2)	4.6:4.6(1-3:4-2)	1000VDC	B
RM6	20mH ± 6%(2-3 tie 6+5)	1:1(2-5:6-3)	4.0:4.0(2-5:6-3)	850VDC	C
RM8	3.0mH ± 6%(8-6 tie 5+7)	5.24:1(8-6:1-12 tie 5-7)	1.7:1.7:0.42(8-5:7-6:1-12)	2500VAC	D
RM12	140μHmin(3-1=2-11)	1:1:2:2(3-1:12-11:5-6:7-8)	0.012:0.05(3-1=12-11:5-6=7-8)	500VDC	E
POT14	450μH ± 25%(4-1)	3.75:1(4-1:6-8)	0.04:0.012:0.012(4-3:5-7:6-8)	1250VDC	F
POT23	15.5mH ± 10%(1-4 tie 2+3)	1:0.6(1-4:7-9 tie 2+3)	13:7.8(1-4:7-9 tie 2+3)	1500DC	G

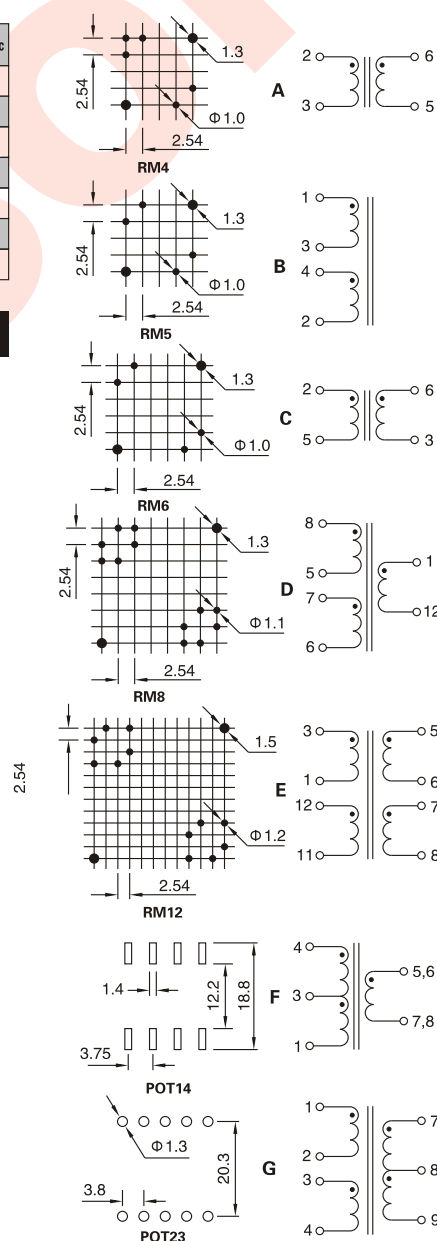
PHYSICAL CHARACTERISTICS



Dimensions(mm)

Part No.	RM4	RM5	RM6	RM8	RM12	POT14	POT23
A	10.5max	13.5max	16.6max	22.0max	31.7max	21.0max	24.4max
B	10.5max	13.5max	16.6max	22.0max	31.7max	15.0max	23.5max
C	11.0max	11.5max	12.7max	17.5max	25.4max	9.0max	11.6max

TECHNICAL INFORMATION



Note: All Dimensions in mm

- Low interwind capacitance
- Low total harmonic distortion (THD)
- Compact size and Surface-mounted
- Designed to meet UL, CSA, VDE, BABT safety standard

- Tape and reel is standard
- Bulk packaging available for smaller quantities
- Custom design available
- Tolerance: 5% is standard, tighter available
- RM 5, 6, SMD available
- RM 6, 8, 10, 12, 14 Power available

- Modem
- Fax machine, Hub
- ISDN, ADSL, HDSL, PABX
- Other telecommunication facilities etc
- Switching power supplies
- AC-DC, DC-DC converters

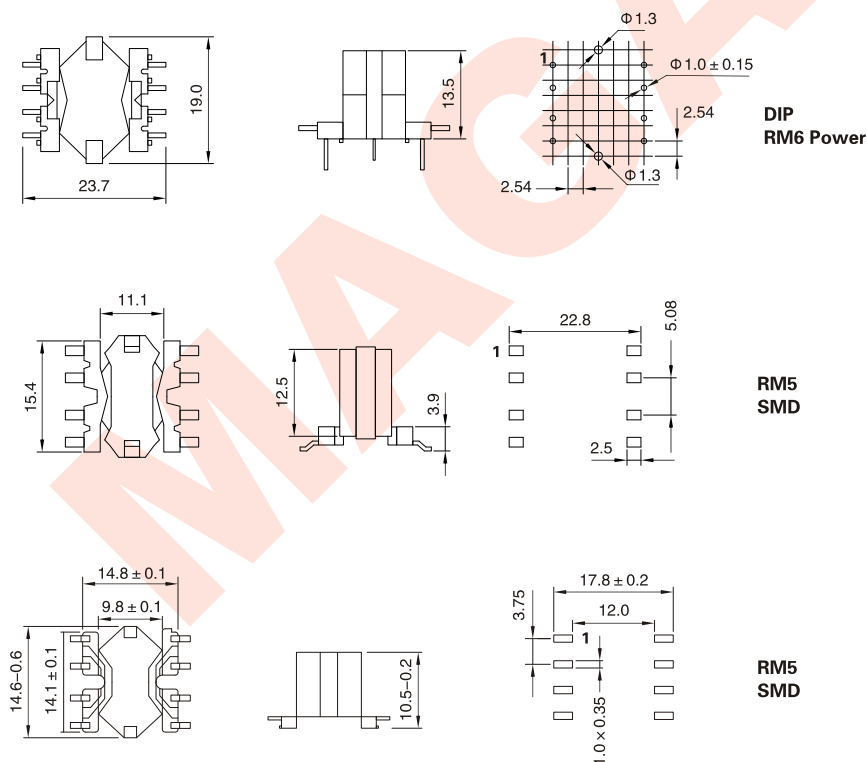
ELECTRICAL CHARACTERISTICS

Part No.	N1 Inductance (1kHz/0.1V Typ)	Turn Ratio	N1 DCR(Ω max)	Hi-pot (Pri-Sec)	Schematic
TP 6012	3.6mH min	N1:N2=1:2.5	4.5	1250V	1
TM 5001	2.5mH min	N1:N2:N3=1:1:3	6.5	1250V	2
TM 5002	1H min	N1:N2:N3:N4=1:1:1:1	30.0	1250V	3

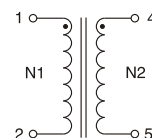
TECHNICAL INFORMATION

- Soldering temperature: 260°C for 4 ± 1 seconds
- Operating temperature: 0°C to 70°C
- Storage Temperature: -25°C to 85°C
- Different package available per special request

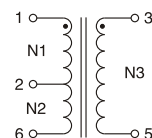
PHYSICAL CHARACTERISTICS



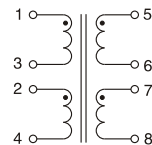
Note: All Dimensions in mm



Schematic1



Schematic2



Schematic3