

SHEET: 1 OF 5

	PART NO. MCDM(R) Series	REVISIONS								
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	A	RELEASED	S. R	17/3/06	K. S	17/3/06	N. K	31/3/06
Specifications: Mechanical: Mechanical Life : 2000 operations per switch. Maximum Operation Force : 1000gf. Stroke : 1.0 mm Operation Temperature : -20°C to +85°C. Storage Temperature : -40°C to +85°C. Electrical: Electrical Life : 2000 operations minimum per switch 24V dc, 25mA. Non-switching Rating : 100mA, 50V dc. Switching Rating : 25mA, 24V dc. Contact Resistance : (a) 50mΩ maximum at initial (b) 100mΩ maximum after life test. Insulation Resistance : 100MΩ minimum 500V dc. Dielectric Strength : 500V ac/minute. Maximum Capacitance : 5pF. Circuit : Single pole single throw. Materials: Base and Cover : PPS high-temperature thermoplastic Colour : Black. Actuator : Nylon thermoplastic (Standard) Nylon high-temperature thermoplastic (V-option) Colour : White. Contact : Alloy copper with gold plated. Terminal : Brass with gold plated. Contact Plating : Gold plated over nickel. Terminal Plating : Gold plated. Tape : Kapton.										
	TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE: DM(R) Series - DIL Switches						
		S. Ram	17/03/06							
		CHECKED BY:	DATE:	SIZE A	DWG NO. M10000233	ELECTRONIC FILE 213302_DWG	REV A			
		K. Suresh	17/03/06							
		APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: mm (Inches)		SHEET: 2 OF 5		
		N. Kiwomya	31/03/06							



PART NO.

MCDM(R) Series

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Soldering and Cleaning Process:

For best results, please follow these recommendation:

Keep all switch contacts in their "OFF" position for all operations.

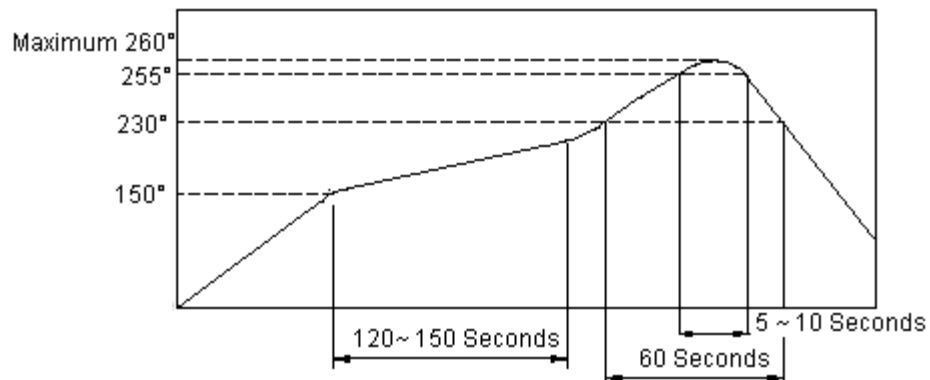
Wave Soldering: Recommended solder temperature at 500°F (260°C) maximum of 5 seconds for through hole type.

Hand Soldering: Use a soldering iron of 30 watts, controlled at 350°C approximately 5 seconds.

Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set at 260°C maximum.

Any flux enters the switch may fail the conductivity.

Do not clean the switch body except top tape sealed type, which only suitable for spray cleaning method from top of the s/w.

**Specifications Table**

Number of Positions	Dimension A	Dimension B	Part Number
02	6.02 (0.237)	2.54 (0.100)	MCDM(R)-02-T
04	11.10 (0.437)	7.62 (0.300)	MCDM(R)-04-T
06	16.18 (0.637)	12.70 (0.500)	MCDM(R)-06-T
08	21.26 (0.837)	17.78 (0.700)	MCDM(R)-08-T
10	26.34 (1.037)	22.86 (0.900)	MCDM(R)-10-T

Dimensions : Millimetres (Inches)

TOLERANCES:

UNLESS OTHERWISE
SPECIFIED,
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PURPOSES ONLY.

DRAWN BY:

S. Ram

DATE:

17/03/06

CHECKED BY:

K. Suresh

DATE:

17/03/06

APPROVED BY:

N. Kiwomya

DATE:

31/03/06

DRAWING TITLE:

DM(R) Series - DIL Switches

SIZE
A

DWG NO.

M10000233

ELECTRONIC FILE
213302_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 3 OF 5

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Part Number Explanation

MC

DM

R

-

02

T

TypeSwitch TypeActuatorTypeNumber of PositionsSeal

Switch Type

Actuator Type

Number of Positions

Seal

: Surface Mounting Type DIP Switch.

: R = Recessed Actuator.

: 02, 04, 06, 08 and 10.

: T = Top Tape Sealed.

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		CHECKED BY:	DATE:	SIZE A	DWG NO. M10000233	ELECTRONIC FILE 213302_DWG	REV A
		K. Suresh	17/03/06				
		APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 4 OF 5
		N. Kiwomya	31/03/06				

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Notes: International Sales Offices: AUSTRALIA – Farnell InOne Tel No: ++ 61 2 9645 8888 Fax No: ++ 61 2 9644 7898 GERMANY – Farnell InOne Tel No: ++ 49 89 61 39 39 39 Fax No: ++ 49 89 613 59 01 SINGAPORE – Farnell-Newark InOne Tel No: ++ 65 6788 0200 Fax No: ++ 65 6788 0300 AUSTRIA – Farnell InOne Tel No: ++ 43 662 2180 680 Fax No: ++ 43 662 2180 670 HONG KONG – Farnell-Newark InOne Tel No: ++ 852 2268 9888 Fax No: ++ 852 2268 9899 SPAIN – Farnell InOne Tel No: ++ 34 93 475 8805 Fax No: ++ 34 93 474 5107 BELGIUM – Farnell InOne Tel No: ++ 32 3 475 2810 Fax No: ++ 32 3 227 3648 IRELAND – Farnell InOne Tel No: ++ 353 1 830 9277 Fax No: ++ 353 1 830 9016 SWEDEN – Farnell InOne Tel No: ++ 46 8 730 50 00 Fax No: ++ 46 8 83 52 62 BRAZIL – Farnell-Newark InOne Tel No: ++ 55 11 4066 9400 Fax No: ++ 55 11 4066 9410 ITALY – Farnell InOne Tel No: ++ 39 02 93 995 200 Fax No: ++ 39 02 93 995 300 SWITZERLAND – Farnell InOne Tel No: ++ 41 1 204 64 64 Fax No: ++ 41 1 204 64 54 CHINA – Farnell-Newark InOne Tel No: ++86 10 6238 5152 Fax No: ++86 10 6238 5022 MALAYSIA – Farnell-Newark InOne Tel No: ++ 60 3 7873 8000 Fax No: ++ 60 3 7873 7000 UK – Farnell InOne Tel No: ++ 44 8701 200 200 Fax No: ++ 44 8701 200 201 DENMARK – Farnell InOne Tel No: ++ 45 44 53 66 44 Fax No: ++ 45 44 53 66 06 NETHERLANDS – Farnell InOne Tel No: ++ 31 30 241 7373 Fax No: ++ 31 30 241 7333 UK – BuckHickman InOne ++ 44 8450 510 150 ++ 44 8450 510 130 ESTONIA – Farnell InOne Tel No: ++ 358 9 560 7780 Fax No: ++ 358 9 345 5411 NEW ZEALAND – Farnell InOne Tel No: ++ 64 9 357 0646 Fax No: ++ 64 9 357 0656 UK – CPC ++ 44 8701 202 530 ++ 44 8701 202 531 FINLAND – Farnell InOne Tel No: ++ 358 9 560 7780 Fax No: ++ 358 9 345 5411 NORWAY – Farnell InOne Tel No: ++ 45 44 53 66 66 Fax No: ++ 45 44 53 66 02 FRANCE – Farnell InOne Tel No: ++ 33 474 68 99 99 Fax No: ++ 33 474 68 99 90 PORTUGAL – Farnell InOne Tel No: ++ 34 93 475 8804 Fax No: ++ 34 93 474 5288  EXPORT – Farnell InOne Tel No: ++ 44 8701 200 208 Fax No: ++ 44 8701 200 209 For enquiries from all other markets http://www.farnellinone.com http://www.buckhickmaninone.com http://www.cpc.co.uk										
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	N. Kiwomya	31/03/06								