

DC TO DC POWER MOSFET

808 Model



S.S.R. Weight : @35 gms.

801 Model



S.S.R. Weight : @95 gms.

707 Model



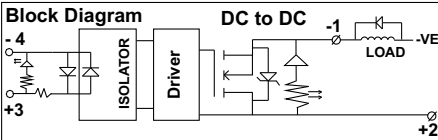
S.S.R. Weight : @195 gms.

Power MOSFET

- ⇒ rDS (ON) has positive temperature co-efficient which aids in paralleled Power MOSFET Device and Negative temperature co-efficient of Trans conductance. So less susceptible for Thermal runaway.
- ⇒ Power (Pd) increase with case temperature increase

Difference of Power MOSFET & Transistor

Power MOSFET	Transistor
High Speed ON/OFF (High Frequency)	Low speed ON/OFF
High Power capacity	Low power capacity
Voltage drop across Power Mosfet is less	Voltage drop across transistor is more
Size of heat sink less	Size of heat sink is more

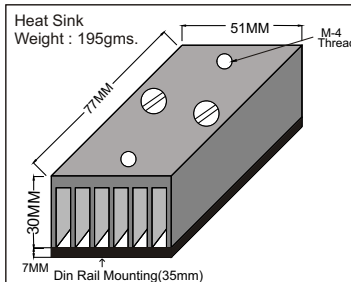


Enclosure Material : Glass filled Nylon (Flame Retardant)

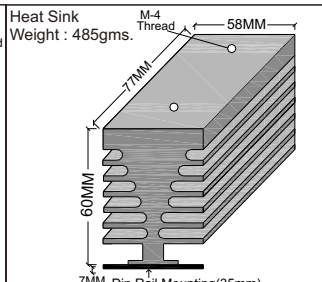
- ⇒ Junction temperature increases with rDS will increased
- ⇒ Switching speed are inherently faster.
- ⇒ No need to derating Power handing capacity.
- ⇒ Turn ON/OFF time more than 10 milli second than transient thermal resistance is one.
- ⇒ Across the load suppression diode require for Inductive load.
- ⇒ Input LED Indication / Output reverse LED Indication
- ⇒ N/O configurations only.
- ⇒ Reverse polarity protection Input side
- ⇒ Optionally 3KHz square wave output Rs. 180/- extra (300 micro second)
- ⇒ Input-output - body Isolation 2.5KVA

SSR TYPE NO	OUTPUT		Type of Heat Sink	Indian@ Rs./Each 100nos>
	Voltage	Current amp at 20°C		
DC TO DC INPUT : 3VDC TO 32VDC Min. 4mA - Max.16mA				
801 PMDD 55 50 00	5-55VDC	50	L/C	375.00
801 PMDD 55 100 00	5-55VDC	100	L/C	500.00
801 PMDD 200 15 00	5-200VDC	15	B/J	325.00
801 PMDD 200 25 00	5-200VDC	25	C/B	400.00
801 PMDD 500 07 00	5-500VDC	07	B	375.00
801 PMDD 500 14 00	5-500VDC	14	C/B	525.00
DC TO DC INPUT : 3VDC TO 32VDC Min. 4mA - Max.16mA				
808 PMDD 200 08 00	5-200VDC	08	J	275.00
808 PMDD 500 04 00	5-500VDC	04	K	400.00
DC TO DC INPUT : 3VDC TO 32VDC Min. 4mA - Max.16mA				
707 PMDD 55 150 00	5-55VDC	150	W	800.00
707 PMDD 55 200 00	5-55VDC	200	W	900.00
707 PMDD 200 38 00	5-200VDC	38	L	650.00
707 PMDD 200 50 00	5-200VDC	50	L	750.00
707 PMDD 500 21 00	5-500VDC	21	L	800.00
707 PMDD 500 28 00	5-500VDC	28	L	900.00

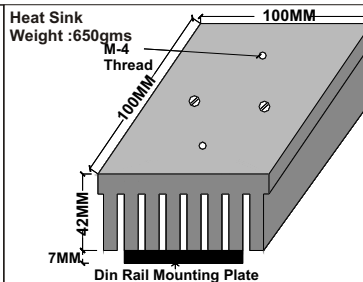
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TYPE "B-77" 801 model
Current up to 16Amp
51mm(W) X 77mm(L) X 37mm(H)+SSR
Price Rs. 110+ Rs. 30 Din Rail



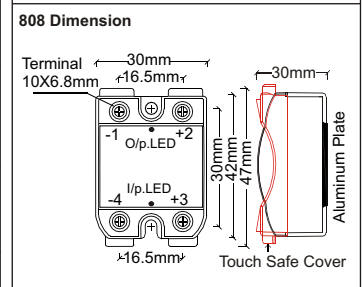
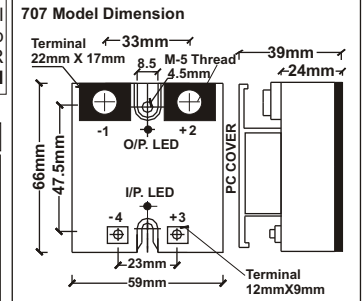
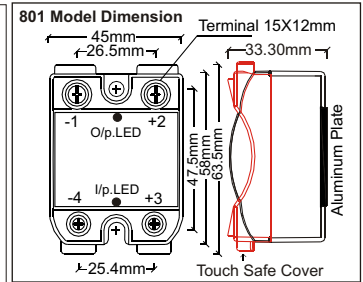
TYPE "C-77" 801/707 model
Current up to 30Amp
58mm(W) X 77mm(L) X 67mm(H)+SSR
Price Rs.240+Rs.30 Din Rail



Type "L-100" -801/ 707 / 705model
current up To 40Amp
100mm(W) X 100mm(L) X 49mm(H) +SSR
Price Rs.430+Rs.30 Din Rail

Technical Data

Input	DC Voltage Min-Max	3-32VDC	DC Current Min-Max	4-16mA	Impedance	1.5k ohmes
Continuous Drain current Id@ Tc=20°C	Amp	50 100 15 25 7 14 8 4	150 200 38 50 21 28			
Safe continuous rating Id at 55°C with heat sink	Amp	35 70 9 18 4 8 4 2	105 140 27 36 12 16			
Drain-to-source break down voltage Vdss(BR)	VDC	55 55 200 200 500 500 200 500	55 55 200 200 500 500			
Static drain-to-source ON resistance rDS(ON)	Ohm	0.008 0.004 0.085 0.042 0.27 0.13 0.18 0.85	0.0026 0.002 0.028 0.021 0.09 0.0675			
Power dissipation Pd @ TC-25°C	W	150 300 190 380 280 560 125 125	450 600 540 720 276 368			
Pulsed Drain Current	IdM	390 780 120 240 73 146 70 30	1170 1560 360 480 219 292			
Peck diode recovery dv/dt	V/ns	5 5 8.6 8.6 3.5 3.5 5 5	5 5 8.6 8.6 3.5 3.5			
Drain-to-source leakage current Idss	MA	10 10 10 10 10 10 10 10	10 10 10 10 10 10			
Maximum junction temperature Tj(max)	°C	175 175 150 150 150 150 150 150	175 175 150 150 150 150			
Thermal resistance junction to case Rthjc	°C/W	1.0 0.5 0.45 0.225 0.45 0.225 1 1	0.33 0.25 0.15 0.11 0.15 0.11			
ON Voltage drop less than At rated current	Vds	1.2 1.2 1.3 1.5 1.7 1.7 1.5 2	2 2 2.2 2.2 2.4 2.4			



Note : Prices & Specifications are subject to change without prior notice.