

SELECTION GUIDE

Order code	Input Voltage (V)	Output Voltage (V)	Output Current (MA)	Input Current (Rated Load) (MA)	Efficiency (%)	Isolation Capacitance (PF)	MTTF ¹ (KHRS)
B0505XDP01	5	5	200	290	69	28	1847
B0509XDP01	5	9	111	285	70	29	1548
B0512XDP01	5	12	83	260	77	33	981
B0515XDP01	5	15	67	253	79	40	667
B1205XDP01	12	5	200	121	69	36	1485
B1209XDP01	12	9	111	263	76	29	1358
B1212XDP01	12	12	83	110	76	58	869
B1215XDP01	12	15	67	110	76	56	613
B1505XDP01	15	5	200	93	69	27	2110
B1509XDP01	15	9	111	277	72	29	1850
B1512XDP01	15	12	83	85	77	58	1790
B1515XDP01	15	15	67	84	78	67	1560
B2405XDP01	24	5	200	60	70	61	1253
B2409XDP01	24	9	111	263	76	29	1120
B2412XDP01	24	12	83	53	78	98	784
B2415XDP01	24	15	67	52	80	122	566

MODEL SELECTION

B 05 05 X D P01

Product Series Input

OUTPUT CHARACTERISTICS

Parameter	Conditions	Min.	Typ.	Max.	Units
Rated Power	TA=-40°C to 120°C	0.1		1	W
Voltage Set Point Accuracy	See tolerance envelope				
Line regulation	High VIN to low VIN		1.0	1.2	%%

Isolation Characteristics

Parameter	Conditions	Min.	Typ.	Max.	Units
Isolation test voltage	Flash tested for 1 second	1000			VDC
Resistance	Viso= 1000VDC	10			G

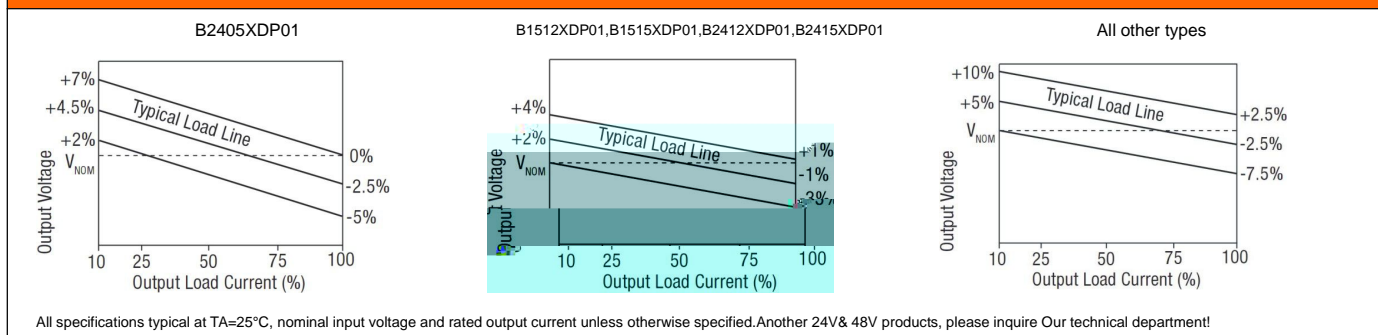
General Characteristics

Parameter	Conditions	Min.	Typ.	Max.	Units
Switching frequency	5V input types		110		kHz
	12V input types		160		
	15V input types		90		
	24V input types		80		

Temperature Characteristics

Parameter	Conditions	Min.	Typ.	Max.	Units
Specification	All output types	-40		85	°C
Storage		-50		130	
Case temperature above ambient	5V output types		23		
	All other output types		28		

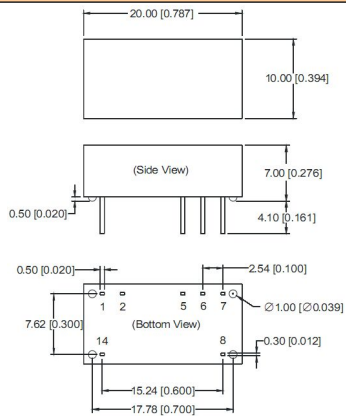
TOLERANCE ENVELOPE



PACKAGE SPECIFICATIONS

MECHANICAL DIMENSIONS

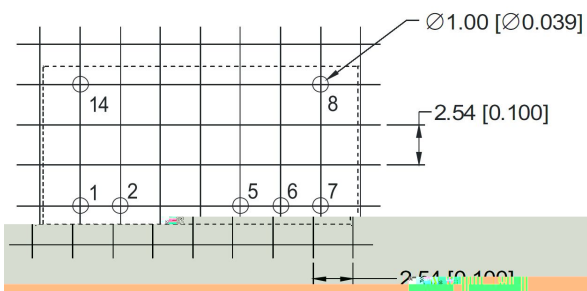
14 Pin DIP package



Unit:mm[inch]
Pin section tolerances: ± 0.10 mm [± 0.004 inch]
General tolerances: ± 0.25 mm [± 0.010 inch]

RECOMMENDED FOOTPRINT DETAILS

14 Pin DIP Package



Grid:2.54x2.54mm[0.1x0.1inch]
Diameter:1.00mm[0.039 f]

m