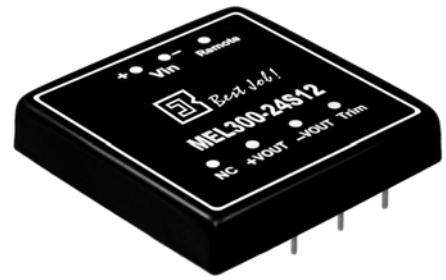


ME300 SERIES 30W WIDE INPUT RANGE



FEATURES

- 30W DIL PACKAGE
- INDUSTRY STANDARD PACKAGE
- 100% BURN IN
- SHORT CIRCUIT PROTECTION
- HIGH EFFICIENCY
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTION BE AVAILABLE
- 3 YEARS WARRANTY



OUTPUT SPECIFICATIONS		INPUT SPECIFICATIONS		GENERAL SPECIFICATIONS	
Voltage Set-point Accuracy		Input Voltage Range	2:1-4:1 Input Range	Efficiency	79% min
Single/Dual	+/-2% max	Input Filter	Pi Network	Isolation Voltage	1500VDC min
Triple	5V +/-2% max	Protection	Fuse Recommended	Isolation Resistance	10 ⁹ ohms min
	12V/15V +/-5% max	ENVIRONMENTAL SPECIFICATIONS		Isolation Capacitance	2500pF max
Temperature Coefficient	+/-0.05%/°C	Operating Temperature	-40°C to +71°C	Switching Frequency	100KHz min
Ripple & Noise(20MHz BW)	100mVp-p max	Storage Temperature	-55°C to +100°C	MTBF	>400,000 Hours
Line Regulation		Cooling	Free-Air Convection	Case Material	Six-Side Shielded Case
Single/Dual	+/-0.5% max	Humidity	95% max	Potting Material	Epoxy(UL94V-0)
Triple	5V +/-0.5% max			Conducted Emissions	EN55022 Class A
	12V/15V +/-1% max	Minimum Load	10% of Full Load	Radiated Emissions	EN55022 Class A
Load Regulation		Short Circuit Protection	Continuous	Weight	110g typ.
Single/Dual	+/-0.5% max	Short Circuit Restart	Automatic	Case Size	50.8mm*50.8mm*21mm
Triple	+/-5% max	Transient Response	500uS max		

● 2:1 25W-30W OUTPUT PACKAGE "A"

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	PACKAGE
		VOLTAGE (VDC)	CURRENT (mA)		
ME200-12S3.3	9-18	3.3	6000	80	A
ME250-12S05	9-18	5	5000	80	A
ME300-12S09	9-18	9	333	84	A
ME300-12S12	9-18	12	2500	84	A
ME300-12S15	9-18	15	2000	84	A
ME300-12S24	9-18	24	1250	85	A
ME250-12D05	9-18	+/-5	+/-2500	80	A
ME300-12D12	9-18	+/-12	+/-1250	80	A
ME300-12D15	9-18	+/-15	+/-1000	80	A
ME250-1205S12D	9-18	+5,+/-12	3500,+/-310	80	A
ME250-1205S15D	9-18	+5,+/-15	3500,+/-250	80	A
ME200-24S3.3	18-36	3.3	6000	82	A
ME250-24S05	18-36	5	5000	80	A
ME300-24S09	18-36	9	333	85	A
ME300-24S12	18-36	12	2500	85	A

ME300-24S15	18-36	15	2000	85	A
ME300-24S24	18-36	24	1250	86	A
ME250-24D05	18-36	+/-5	+/-2500	80	A
ME300-24D12	18-36	+/-12	+/-1250	85	A
ME300-24D15	18-36	+/-15	+/-1000	85	A
ME300-24D24	18-36	+/-24	+/-625	85	A
ME250-2405S12D	18-36	+5,+/-12	3500,+/-310	82	A
ME250-2405S15D	18-36	+5,+/-15	3500,+/-250	82	A
ME250-48S05	36-72	5	5000	80	A
ME300-48S09	36-72	9	3333	82	A
ME300-48S12	36-72	12	2500	82	A
ME300-48S15	36-72	15	2000	82	A
ME300-48S24	36-72	24	1250	83	A
ME250-48D05	36-72	+/-5	+/-2500	80	A
ME300-48D12	36-72	+/-12	+/-1250	82	A
ME300-48D15	36-72	+/-15	+/-1000	82	A
ME250-4805S12D	36-72	+5,+/-12	3500,+/-310	82	A
ME250-4805S15D	36-72	+5,+/-15	3500,+/-250	82	A

● **4:1 25W-30W OUTPUT PACKAGE "A"**

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	PACKAGE
		VOLTAGE (VDC)	CURRENT (mA)		
ME250-412S05	9-36	5	5000	80	A
ME300-412S09	9-36	9	333	79	A
ME300-412S12	9-36	12	2500	81	A
ME300-412S15	9-36	15	2000	81	A
ME300-412S24	9-36	24	1250	81	A
ME250-412D05	9-36	+/-5	+/-2500	80	A
ME250-412D12	9-36	+/-12	+/-1250	80	A
ME250-412D15	9-36	+/-15	+/-1000	80	A
ME250-41205S12D	9-36	+5,+/-12	3500,+/-310	80	A
ME250-41205S15D	9-36	+5,+/-15	3500,+/-250	80	A
ME250-424S05	18-72	5	5000	80	A
ME300-424S12	18-72	12	2500	81	A
ME300-424S15	18-72	15	2000	81	A
ME300-424S24	18-72	24	1250	81	A
ME250-424D05	18-72	+/-5	+/-2500	80	A
ME250-424D12	18-72	+/-12	+/-1250	81	A
ME250-424D15	18-72	+/-15	+/-1000	81	A
ME250-42405S12D	18-72	+5,+/-12	3500,+/-310	82	A
ME250-42405S15D	18-72	+5,+/-15	3500,+/-250	82	A

● **2:1 25W-30W OUTPUT PACKAGE "C"**

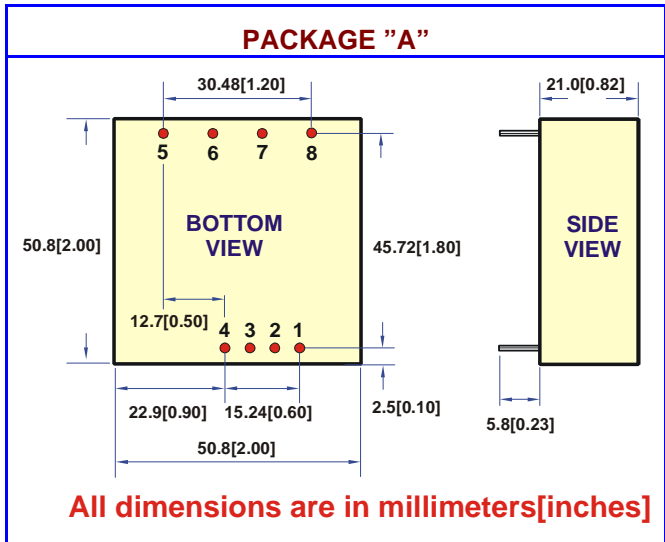
MEL300-12S05	9-18	5	6000	80	C
MEL300-12S09	9-18	9	3333	80	C
MEL300-12S12	9-18	12	2500	80	C
MEL300-12S15	9-18	15	2000	80	C
MEL300-12S24	9-18	24	1250	80	C
MEL250-12D05	9-18	+/-5	+/-2500	80	C
MEL300-12D12	9-18	+/-12	+/-1250	80	C
MEL300-12D15	9-18	+/-15	+/-1000	80	C
MEL200-24S3.3	18-36	3.3	6000	79	C
MEL300-24S05	18-36	5	6000	80	C
MEL300-24S09	18-36	9	3333	80	C
MEL300-24S12	18-36	12	2500	80	C
MEL300-24S15	18-36	15	2000	80	C
MEL300-24S24	18-36	24	1250	80	C
MEL250-24D05	18-36	+/-5	+/-2500	80	C
MEL300-24D12	18-36	+/-12	+/-1250	80	C
MEL300-24D15	18-36	+/-15	+/-1000	80	C
MEL300-48S05	36-72	5	6000	80	C
MEL300-48S09	36-72	9	3333	80	C
MEL300-48S12	36-72	12	2500	80	C
MEL300-48S15	36-72	15	2000	80	C
MEL300-48S24	36-72	24	1250	80	C
MEL250-48D05	36-72	+/-5	+/-2500	80	C

MEL300-48D12	36-72	+/-12	+/-1250	80	C
MEL300-48D15	36-72	+/-15	+/-1000	80	C

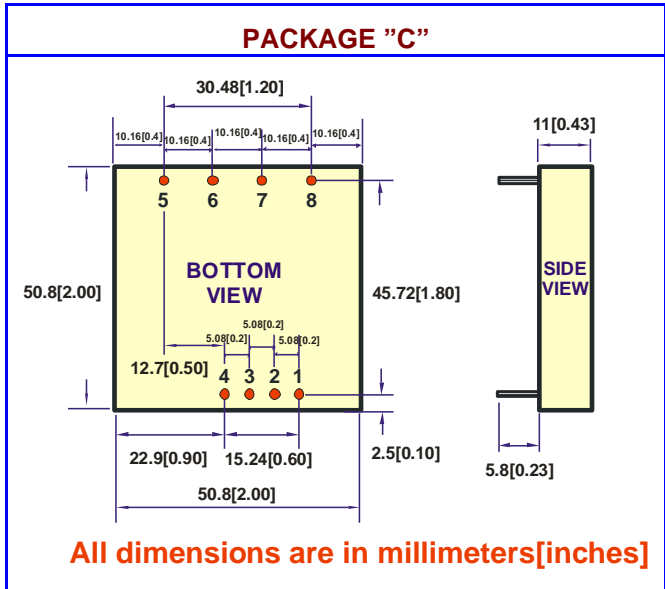
● **4:1 25W-30W OUTPUT PACKAGE "C"**

MEL300-412S05	9-36	5	6000	80	C
MEL300-412S09	9-36	9	3333	80	C
MEL300-412S12	9-36	12	2500	80	C
MEL300-424S05	18-72	5	6000	83	C
MEL300-424S12	18-72	12	2500	83	C

● **MECHANICAL DIMENSIONS**



PIN	1	2	3	4	5	6	7	8
SINGLE					NC	+Vout	-Vout	Trim
DUAL	Remote On/Off	NP	-Vin	+Vin	+Vout	Com.	-Vout	Trim
TRIPLE					+Aux.	+5V out	Com.	-Aux.



PIN	1	2	3	4	5	6	7	8
SINGLE					NC	+Vout		
DUAL	Remote On/Off	NP	-Vin	+Vin	+Vout	Com.	-Vout	Trim