

Q54SG Series

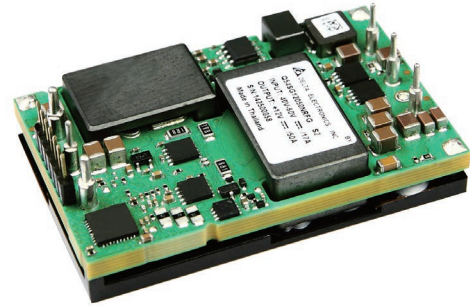
FEATURES

Electrical

- Efficiency up to 96.7%
- OTP, Input UVLO, Output OCP, OVP
- Isolation and basic insulation
- Pre-biased startup
- No minimum load required
- Positive or negative remote ON/OFF
- PMBUS function (optional)

Safety & Certificate

- IEC/EN/UL/CSA 62368-1
- IEC/EN/UL/CSA 60950-1



1/4
brick

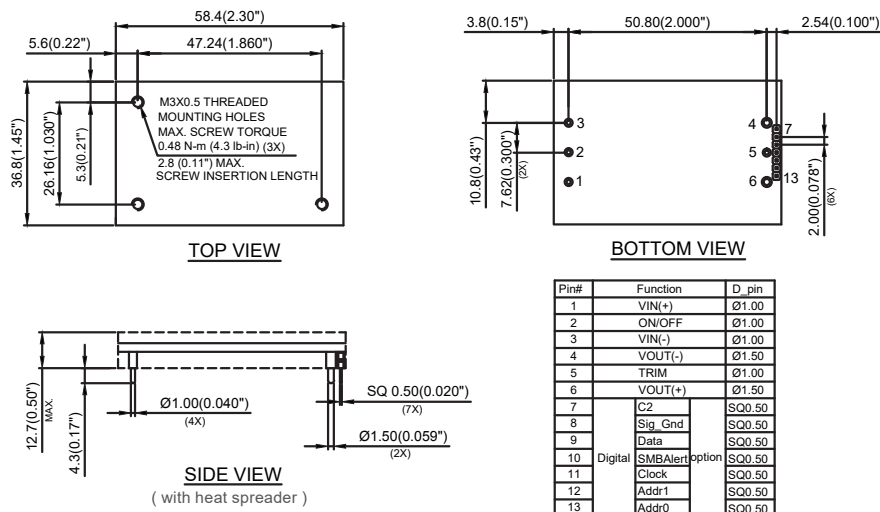
digital
control

CALUS

SPECIFICATIONS

Part Number	Input Voltage	Output Voltage	Vo trim range	Output Current	Output Power	Efficiency	Isolation Voltage	Size (LxWxH) with heat spreader
Q54SG12033	40~60V	12V	9.6~13.2V	33A	400W	96.3%	2250V	58.4 x 22.8 x 12.7 mm
Q54SG12050	40~60V	12V	9.6~13.2V	50A	600W	96.7%	2250V	58.4 x 36.8 x 13.2 mm

MECHANICAL DRAWING



PART NUMBERING SYSTEM

Q	54	S	G	120	50	N	R	F	G				
Form Factor	Input Voltage	Number of Outputs	Product Series	Output Voltage	Output Current	ON/OFF Logic	Pin Length	RoHS	Option Code				
Q- 1/4 Brick	54 - 40~60V	S- Single	G - Family Name	120 - 12V	33 - 33A 50 - 50A	N - Negative P - Positive	K - 0.110" N - 0.145" R - 0.170" Y - 0.200"	F- RoHS 6/6 (Lead Free)		Droop Current Sharing	Trim Pin	PMBus Pin	Heat Spreader
									C	No	Yes	No	Yes
									G	No	Yes	Yes	Yes