

1SC0450E2B0-65

1SC0450E2B0-65 Information

Helsener.com		1SC0450E2B0-65 Power Integrations Integrated Circuits (ICs) PMIC - Gate Drivers GATE DRIVER CORE SCALE-2 6500V	
	Package	Module For the pricing/inventory/lead time, please contact	来にある。
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



1SC0450E2B0-65 Specifications

Manufacturer Part Number ISC0450E2B0-65 Manufacturer Power Integrations Category Integrated Circuits (ICs) Package Module Package Module Series SCALE TM -2 Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers I Gate Type IGBT Voltage - Supply 14.5 V ~ 15.5 V Logic Voltage - VIL, VIH - Fack Quotage - Max (Bootstrap) G500V Rise / Fall Time (Typ) 30ns, 25ns Mounting Type -40°C ~ 85°C (TA) Mounting Type Surface Mount	_	
CategoryIntegrated Circuits (ICs)PackageModuleSeriesModuleSeriesSCALE ^{TM-2} 2Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply14.5 V ~ 15.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-Nigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)30ns, 25nsOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Manufacturer Part Number	1SC0450E2B0-65
HackagePMIC - Gate DriversPackageModuleSeriesSCALE™-2Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply4.5 V ~ 15.5 VLogic Voltage - VIL, VIHSOA, 50AInput Type-Ringh Side Voltage - Max (Boostrap)SofovRise / Fall Time (Typ)Sons 25nsOperating TemperatureAu°c ~ 85°C (TA)Mouning TypeSurface MountPackage / CaseModuleSupplier Device PackageMoule	Manufacturer	Power Integrations
PackageModuleSeriesSCALETM-2Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply4.5 V ~ 15.5 VLogic Voltage - VIL, VIHSOA, 50AInput Type-Input Type500VInput Type30ns, 25nsNeger Age, CaseAurean AdmentMounting Type-40°C ~ 85°C (TA)Supplier Device PackageMouteSupplier Device Packa	Category	Integrated Circuits (ICs)
SeriesSCALE™-2Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply14.5 V ~ 15.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule		PMIC - Gate Drivers
Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply14.5 V ~ 15.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModule	Package	Module
Channel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply14.5 V ~ 15.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)500VRise / Fall Time (Typ)30ns, 25nsOperating Type-Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Series	SCALE TM -2
Number of Drivers1Gate TypeIGBTVoltage - Supply14.5 V ~ 15.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Driven Configuration	High-Side or Low-Side
Gate TypeIGBTVoltage - Supply14.5 V ~ 15.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Channel Type	Single
Yoltage - Supply14.5 V ~ 15.5 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Number of Drivers	1
Logic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Gate Type	IGBT
Current - Peak Output (Source, Sink)50A, 50AInput Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Voltage - Supply	14.5 V ~ 15.5 V
Input Type-High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap)6500VRise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Current - Peak Output (Source, Sink)	50A, 50A
Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Input Type	-
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	High Side Voltage - Max (Bootstrap)	6500V
Mounting TypeSurface MountPackage / CaseModuleSupplier Device PackageModule	Rise / Fall Time (Typ)	30ns, 25ns
Package / CaseModuleSupplier Device PackageModule	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package Module	Mounting Type	Surface Mount
	Package / Case	Module
Report error	Supplier Device Package	Module
		Report errors?

1SC0450E2B0-65 Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

SERVICE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

1SC0450E2B0-65 Payment Methods





If you have any question about 1SC0450E2B0-65, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com