

power integrations™



Image may be representation.  
See specifications for product details.

### 1SC0450V2B0-45

Part Number: **1SC0450V2B0-45**  
 Product Description: GATE DRIVER CORE SCALE-2 4500V  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [1.1SC0450V2B0-45.pdf](#)  
[2.1SC0450V2B0-45.pdf](#)

Manufacturer/Brand: Power Integrations  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

<b>Part Number</b>	1SC0450V2B0-45	<b>Manufacturer</b>	Power Integrations
<b>Description</b>	GATE DRIVER CORE SCALE-2 4500V	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	1.1SC0450V2B0-45.pdf2.1SC0450V2B0-45.pdf		
<b>Voltage - Supply</b>	14.5 V ~ 15.5 V	<b>Supplier Device Package</b>	Module
<b>Series</b>	SCALE™-2	<b>Rise / Fall Time (Typ)</b>	30ns, 25ns
<b>Packaging</b>	Tray	<b>Package / Case</b>	Module
<b>Other Names</b>	1810-1079	<b>Operating Temperature</b>	-40°C ~ 85°C (TA)
<b>Number of Drivers</b>	1	<b>Mounting Type</b>	Surface Mount
<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)	<b>Manufacturer Standard Lead Time</b>	16 Weeks
<b>Logic Voltage - VIL, VIH</b>	-	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Input Type</b>	-	<b>High Side Voltage - Max (Bootstrap)</b>	4500V
<b>Gate Type</b>	IGBT	<b>Driven Configuration</b>	High-Side or Low-Side
<b>Detailed Description</b>	High-Side or Low-Side Gate Driver IC Module	<b>Current - Peak Output (Source, Sink)</b>	50A, 50A
<b>Channel Type</b>	Single		

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