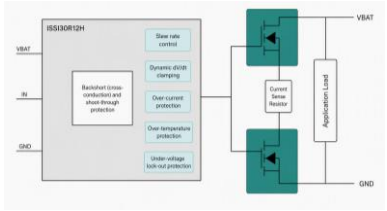
Evaluation board EVAL-ISSI30R12H

EVAL-ISSI30R12H









Technical & product details

Parameter	Value
Load Voltage	320 VDC / 230 VAC
Load Current	7 A DC / 45A AC
Input Voltage	2.85 - 3.5V
Package	DSO8 - 1.27 mm pitch, 300 mil
Isolation	5.7 kVrms, 8 kVpk
Certifications	UL1577, IEC 60747-17

Learn More	
Sales name	EVAL-ISSI30R12H
SAP mat number	SP005952684
Infineon order code	EVALISSI30R12HTOBO1
IFX Components	IPT60T022S7, ISSI30R12H
Focus applications	AI Server BBU, BMS, Smart Home and Building, Industrial Automation PLC, SSR

Features

- Evaluation board with ISSI30R12H and two CoolMOS™ IPT60T022S7 MOSFETs in an AC switch configuration
- Ultra-fast overcurrent detection that is triggered at the typical peak current of 35 A
- Direct-chip temperature measurement of CoolMOS™
- Fast turn-on
- Fast turn-off after overcurrent and over-temperature protection
- Dynamic Miller clamping

Benefits

- CoolMOS™ enables efficient high-current AC switching
- Fast turn-on reduces switching losses
- 35 A detection and fast turn-off limit fault stress
- Direct chip sensing improves thermal protection preventing damage
- Miller clamping prevents parasitic turn-on

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