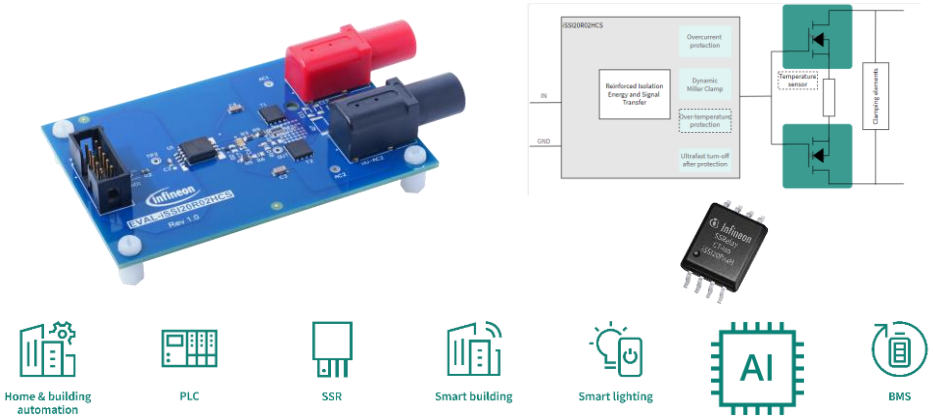
Evaluation board
EVAL-ISSI20R02HCS

EVAL-ISSI20R02HCS



Technical & product details

Parameter	Value
Load Voltage	40 VDC / 24 VAC
Load Current	10 A DC / 7 A 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-ISSI20R02HCS
SAP mat number	SP006046638
Infineon order code	EVALISSI20R02HCSTOBO1
IFX Components	ISC015N06NM5LF, ISSI20R02H
Focus applications	AI Server BBU, BMS, Smart Home and Building, Industrial Automation PLC, SSR

Features

- Evaluation board with ISSI20R02H and two OptiMOS™ ISC015N06NM5LF MOSFETs in an AC switch configuration
- Ultra-fast overcurrent detection that is triggered at the typical peak current of 20 A
- Over-temperature protection with PTC resistor (optional)
- Standard turn-on
- Fast turn-off after overcurrent and over-temperature protection
- Dynamic Miller clamping

Benefits

- Low-loss OptiMOS™ enables efficient AC switching
- 20 A detection and fast turn-off limit fault stress
- Optional PTC sensing helps prevent overheating and load damage
- Miller clamping prevents parasitic turn-on

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