e-Front runners

超低IR-SBDシリーズ
Ultra Low IR-SBD Series

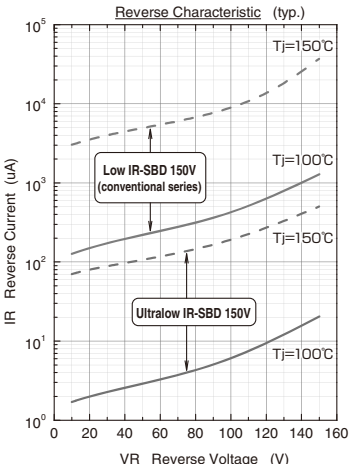
超低IR特性で特に高温での損失を低減し、高温環境での低損失、高信頼性を実現

■特長　Features

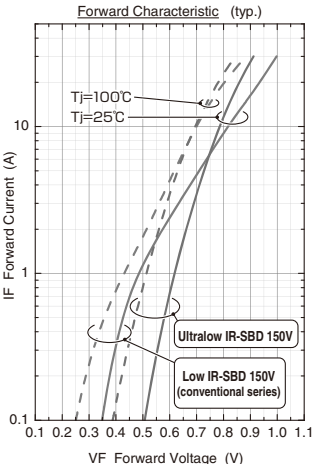
●従来の低IR-SBDの漏れ電流（IR）の更に1/10以下のIRで逆方向損失を大幅に低減
●特に高温での損失低減で動作限界温度領域を向上
●順方向特性は低IR-SBD系列と同等
●高耐圧200Vを系列化

- About 1/10 reverse current than conventional type, reverse power loss is reduced sharply.
- Improvement of operating limit temperature, by lower loss at high temperature.
- Same VF-level as conventional type.
- Include 200V high voltage series.

■超低IR-SBD 逆方向特性



■超低IR-SBD 順方向特性



■用途　Applications

●ノートPCアダプタ、PCサーバ
●携帯基地局電源、通信機器
●FPD電源、ゲーム、OA機器
●その他各種電源回路

- Note PC Adapter, PC Server
- Base station for mobile phone, Telecommunication
- Flat panel TV, Game, OA
- Power Supply Circuits for other applications

■超低IR-SBDシリーズ

VRRM (V)	Io (A)	TO-220F isolation	TO-220
100	10	YG872C10R	YA872C10R
	20	YG875C10R	YA875C10R
	30	YG878C10R	YA878C10R
120	10	YG872C12R	YA872C12R
	20	YG875C12R	YA875C12R
	30	YG878C12R	YA878C12R
150	10	YG872C15R	YA872C15R
	20	YG875C15R	YA875C15R
	30	YG878C15R	YA878C15R
200	10	YG872C20R	YA872C20R
	20	YG875C20R	YA875C20R
	30	YG878C20R	YA878C20R

*50Hz Square wave duty=1/2, Average forward current of centertap full wave connection.

PFC用SuperLLDシリーズ
Super LLD Series for PFC

■SuperLLD-3（連続モード用）の特長

●従来の電流連続モードPFC用Super-LLD1から、更に高速化と同時に低VF化を実現した低損失設計

●ソフトリカバリー特性で低ノイズ

・Features of SuperLLD-3 (for Continuous mode) series
・Lower power loss by higher switching speed and also lower VF than conventional type.
・Soft recovery and low noise.

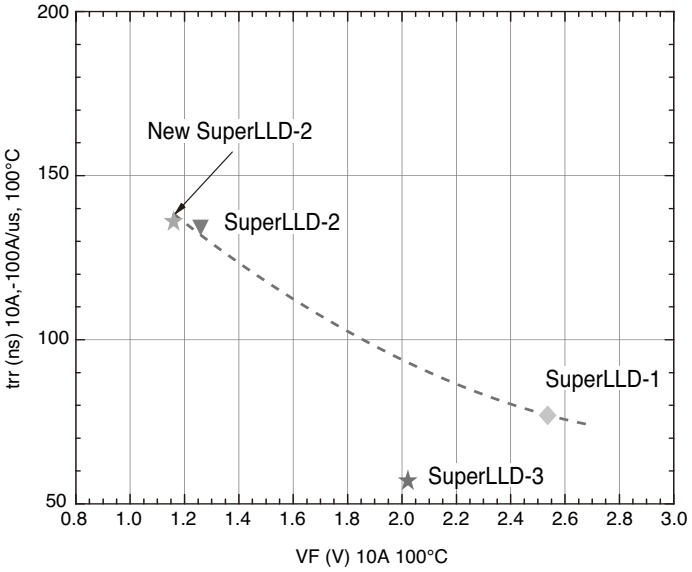
■SuperLLD-2（臨界モード用）の特長

●臨界モードPFC用途に最適な低VF特性を実現した低損失設計

●ソフトリカバリー特性で低ノイズ

・Features of New SuperLLD-2 (for Discontinuous mode) series
・Lower power loss by lower VF the best adjustment for Discontinuous mode PFC.
・Soft recovery and low noise.

■SuperLLDシリーズのVF-trr特性



■SuperLLDシリーズ

Series	VRRM (V)	Io (A)	TO-220F isolation	TO-220	TO-3P	TO-247	T-Pack(S) SMD
SLLD-2	600	8*2	YG971S6R	YA971S6R			
		10*2	YG972S6R	YA972S6R			
		20*1	YG975C6R	YA975C6R		PH975C6	
	800	8*2	YG971S8R				
New SLLD-2	600	5*2	YG951S6R*3	YA951S6R*3			
		10*2	YG952S6R*3	YA952S6R*3			
		10*1	YG952C6R*3	YA952C6R*3			TS952C6R*3
		20*1	YG955C6R*3	YA955C6R*3			TS955C6R*3
SLLD-3	600	8*2	YG981S6R	YA981S6R			
		10*2	YG982S6R	YA982S6R			
		16*1	YG982C6R	YA982C6R			TS982C6R
		20*1	YG985C6R	YA985C6R		PH985C6	TS985C6R

*1 50Hz Square wave duty=1/2, Average forward current of centertap full wave connection.
*2 5A, 8A, 10A is 1chip in one-package.
*3 Under development