SHI LING® 浙江世菱半导体有限公司
ZHEJI G SHILI G SEMICO DUCTOR CO.,LTD.

Specifcation of products

：

：MURP600200CI

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Ultra-Fast Soft Recovery Diode Module

Description

Ultra-FRD module devices are optimized to reduce losses and EMI/RFI in high frequency power conditioning electrical systems. These diode modules are ideally suited for power converters, motors drives and other applications where switching losses are significant portion of the total losses.

Features

- ☞ Repetitive Reverse Voltage : V_{RRM}= 200V
- ☞ Low Forward Voltage Drop : V_F(typ.) = 1.0V
- ☞ Average Forward Current : $I_{F(AV.)}$ = 600A @ Tc= 100°C
- ☞ Ultra-Fast Reverse Recovery Time : t_{rr} (typ.) = 95 ns
- ☞ Extensive Characterization of Recovery Parameters
- ☞ Reduced EMI and RFI
- ☞ Non Isolation Type Package

Applications

Thermal Characteristics

Symbol	Parameter	Conditions	Values			Unit
			Min.	Typ.	Max.	
$R_{th(j-c)}$	Thermal Resistance	Junction to Case	-	-	0.22	℃/W

Electrical Characteristics @ T_j =25℃(unless otherwise specified)

Symbol	Parameter	Conditions	Values	Unit
V_R	Cathode Anode Breakdown Voltage	I_R= 100uA		
V_{FM}	Maximum Forward Voltage	I_{FM}= 300A, T_c = 25		
I_{RRM}	Repetitive Peak Reverse Current			
t_{rr}	Reverse Recovery Time			