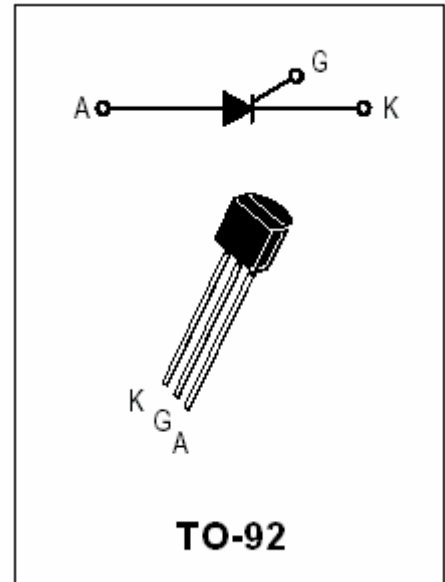


**MCR100-8**◆ **FEATURES**

- With TO-92 package
- Sensitive gate trigger current
- Low reverse and forward blocking current
- Low holding current

◆ **QUICK REFERENCE DATA**

SYMBOL	PARAMETER	MIN	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	600	V
$V_{RRM}$	Repetitive peak off-state voltage	600	V
$I_{T(AV)}$	Average on-state current	1	A
$P_{GM}$	Peak gate power	0.1	W
$P_{G(AV)}$	Average gate power	0.01	W
$I_{TSM}$	Non-repetitive peak on-state current	10	A
$T_{stg}$	Storage temperature range	-45-150	°C

◆ **LIMITING VALUES**

Limiting values in accordance with the absolute maximum system(IEC 134)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	$I_D=0.1\text{mA}$	600		V
$V_{RRM}$	Repetitive peak reverse voltage	$I_D=0.5\text{mA}$	600		V
$I_{RRM}$	Repetitive peak reverse current	$V_{RRM}=600\text{V}$		10	$\mu\text{A}$
$I_{DRM}$	Repetitive peak off-state current	$V_{DRM}=600\text{V}$		10	$\mu\text{A}$
$I_{GT}$	Gate trigger current	$V_D=6\text{V}; R_L=100\ \Omega$	10	120	$\mu\text{A}$
$V_{TM}$	On-state voltage	$I_T=1\text{A}$		1.7	V
$I_H$	Holding current	$I_T=0.1\text{A}, I_{GT}=12\text{mA}$		5	mA
$V_{GT}$	Gate trigger voltage	$V_D=6\text{V}; R_L=100\ \Omega$	0.4	0.8	V