

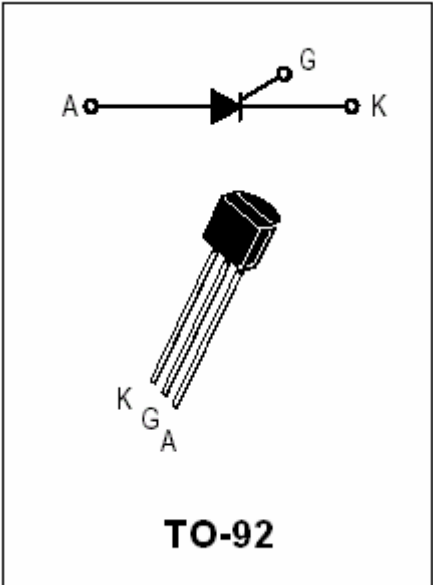
MCR100-8

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