

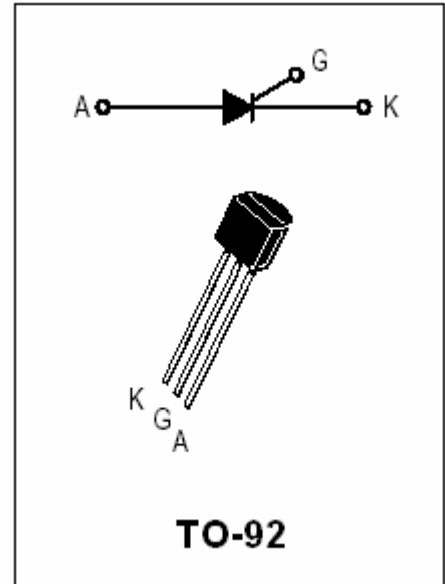
MCR100-6

◆ 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	400	V
V_{RRM}	Repetitive peak off-state voltage	400	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	$I_D=0.1\text{mA}$	400		V
V_{RRM}	Repetitive peak reverse voltage	$I_D=0.5\text{mA}$	400		V
I_{RRM}	Repetitive peak reverse current	$V_{RRM}=400\text{V}$		10	μA
I_{DRM}	Repetitive peak off-state current	$V_{DRM}=400\text{V}$		10	μA
I_{GT}	Gate trigger current	$V_D=6\text{V}; R_L=100\ \Omega$	10	120	μA
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