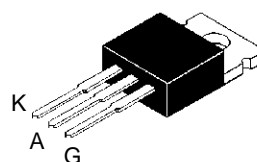


### FEATURES

- $I_{T(RMS)} = 16A$
- $V_{DRM} = 200V$  to  $800V$
- High surge current capability

### DESCRIPTION

The S16xxxH series of SCRs uses a high performance MESA GLASS PNP technology. These parts are intended for general purpose applications.



**TO220**  
non-insulated  
(Plastic)

### ABSOLUTE RATINGS (limiting values)

Symbol	Parameter		Value	Unit
$I_{T(RMS)}$	RMS on-state current (180° conduction angle)	$T_c = 90^\circ C$	16	A
$I_{T(AV)}$	Average on-state current (180° conduction angle)	$T_c = 90^\circ C$	10	A
$I_{TSM}$	Non repetitive surge peak on-state current ( $T_j$ initial = $25^\circ C$ )	$t_p = 8.3$ ms	175	A
		$t_p = 10$ ms	160	
$I^2t$	$I^2t$ Value for fusing	$t_p = 10$ ms	128	$A^2s$
$di/dt$	Critical rate of rise of on-state current $I_G = 100$ mA $di_G/dt = 1$ A/ $\mu s$ .		100	A/ $\mu s$
$T_{stg}$ $T_j$	Storage and operating junction temperature range		- 40, + 150 - 40, + 125	$^\circ C$
TI	Maximum lead temperature for soldering during 10s at 4.5mm from case		260	$^\circ C$

Symbol	Parameter	Voltage				Unit
		B	D	M	N	
$V_{DRM}$ $V_{RRM}$	Repetitive peak off-state voltage $T_j = 125^\circ C$	200	400	600	800	V

