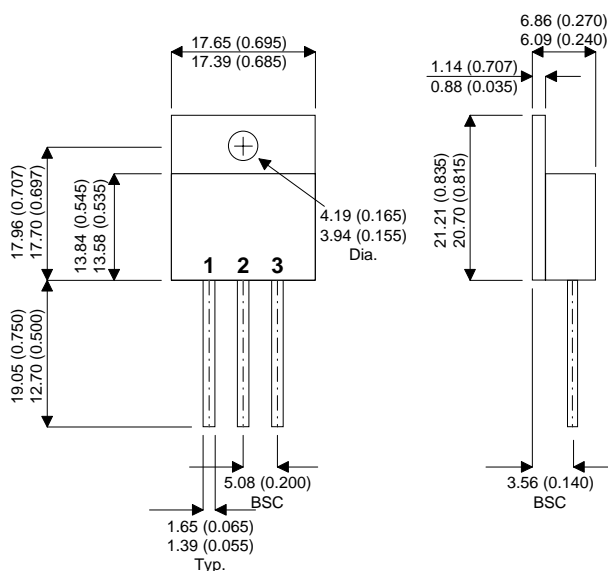
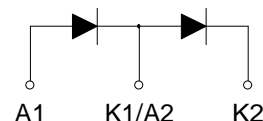


MECHANICAL DATA

Dimensions in mm (inches)



**FAST RECOVERY
EPITAXIAL DIODE
IN A HERMETIC TO-258
METAL PACKAGE**



FEATURES

- TO-258 HERMETIC ISOLATED PACKAGE
- HI-REL APPLICATIONS
- FAST RECOVERY (<50ns)

TO-258 Package.

Pin 1 – A1

Pin 2 – K1/A2

Pin 3 – K2

ABSOLUTE MAXIMUM RATINGS ($T_C = 25^\circ\text{C}$ unless otherwise stated)

V_{RRM}	Peak Repetitive Reverse Voltage	1000V
I_F	Average Forward Current $\delta = 0.5, T_C = 100^\circ\text{C}$	12A
T_J	Maximum Operating Junction Temperature	-40 to +150°C
T_{STG}	Storage Temperature Range	150°C

ELECTRICAL CHARACTERISTICS ($T_J = 25^\circ\text{C}$, unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Units
I_R	$V_R = 800\text{V}$ $T_J = 25^\circ\text{C}$			150	μA
	$V_R = 1000\text{V}$ $T_J = 25^\circ\text{C}$			1	mA
	$V_R = 800\text{V}$ $T_J = 125^\circ\text{C}$			4	mA
V_F	$I_F = 12\text{A}$ $T_J = 125^\circ\text{C}$			2.7	V
t_{rr}	$I_F = 1\text{A}$ $V_R = 30\text{V}$ $dI/dt = 15\text{A}/\mu\text{s}$ $T_J = 25^\circ\text{C}$			50	ns
I_{RRM}	$I_F = 12\text{A}$ $V_R = 350\text{V}$ $dI/dt = -100\text{A}/\mu\text{s}$ $T_J = 100^\circ\text{C}$			7.2	A
$R_{\theta JC}$	Thermal Resistance Junction – Case		TBA		$^\circ\text{C}/\text{W}$