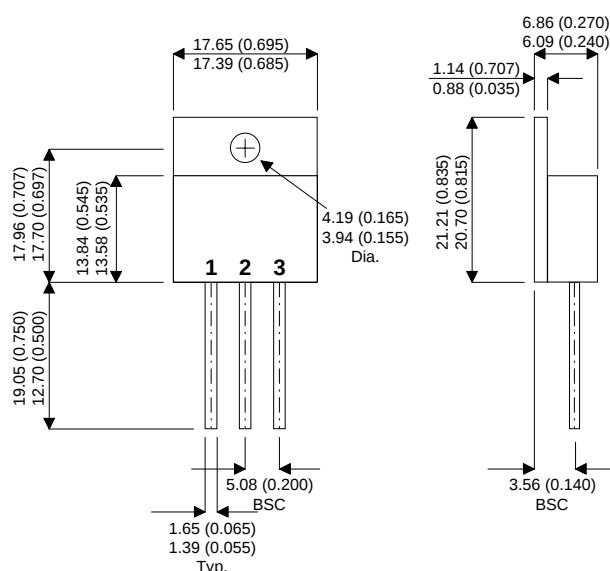


MECHANICAL DATA

Dimensions in mm (inches)



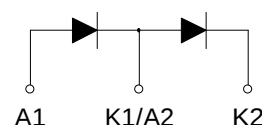
TO-258 Package.

Pin 1 – A1

Pin 2 – K1/A2

Pin 3 – K2

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



FEATURES

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

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	Reverse Leakage Current			150	μA
	$V_R = 800\text{V}$ $T_J = 25^\circ\text{C}$				
	$V_R = 1000\text{V}$ $T_J = 25^\circ\text{C}$			1	mA
V_F	Forward Voltage			4	V
t_{rr}	Reverse Recovery Time			2.7	ns
I_{RRM}	Peak Reverse Current			7.2	A
$R_{\theta JC}$	Thermal Resistance Junction – Case		TBA		$^\circ\text{C/W}$