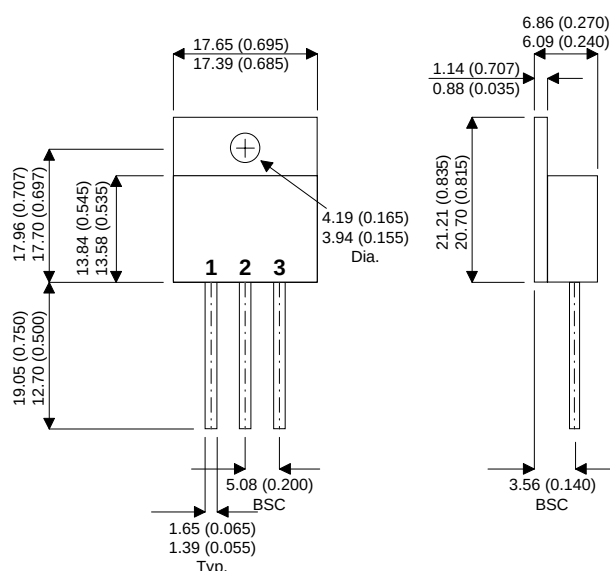


MECHANICAL DATA

Dimensions in mm (inches)



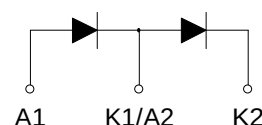
TO-258 Package.

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 $+150^\circ\text{C}$
T_{STG}	Storage Temperature Range	150°C

ELECTRICAL CHARACTERISTICS (T_J = 25°C, unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Units
I _R	Reverse Leakage Current	V _R = 800V	T _J = 25°C	150	μA
		V _R = 1000V	T _J = 25°C	1	mA
		V _R = 800V	T _J = 125°C	4	
V _F	Forward Voltage	I _F = 12A	T _J = 125°C	2.7	V
t _{rr}	Reverse Recovery Time	I _F = 1A dI/dt = 15A/μs	V _R = 30V T _J = 25°C	50	ns
I _{RRM}	Peak Reverse Current	I _F = 12A dI/dt = -100A/μs	V _R = 350V T _J = 100°C	7.2	A
R _{θJC}	Thermal Resistance Junction – Case			TBA	°C/W

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