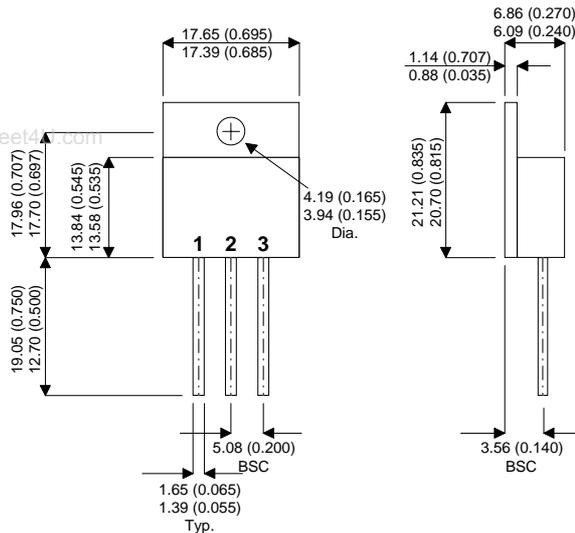


MECHANICAL DATA

Dimensions in mm



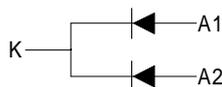
DUAL SCHOTTKY BARRIER DIODE IN A HERMETIC TO258 PACKAGE

FEATURE

- 25A, 45V
- Dual Common Cathode Configuration
- Low V_F
- Low switching Losses

TO-258 METAL PACKAGE

Pin 1 – Anode 1 Pin 2 – Cathode Pin 3 – Anode 2



ABSOLUTE MAXIMUM RATINGS (per diode)		DSS25D-0045-T258
I_{FRMS}	RMS Forward Current ($T_J = T_{VJM}$)	35A
I_{FAV}	Average Forward Current	25A
I_{FSM}	Maximum Surge Forward Current $t_p = 10ms, 50Hz$	550A
I_{AR}	Repetitive Avalanche Current $V_A = 1.5 V_{RRM}, f = 10KHz$	1.8A
T_{STG}	Storage Temperature	150°C
T_J	Junction Temperature	- 55 to +150°C
P_{TOT}	Total Power Dissipation	TBA.

ELECTRICAL CHARACTERISTICS (Per Diode)

Parameter	Test Conditions		Min.	Typ.	Max.	Unit
V_F Forward Voltage	$I_F = 25A$	$T_J = 125^\circ C$			0.65	V
	$I_F = 25A$	$T_J = 25^\circ C$			0.75	
	$I_F = 50A$	$T_J = 125^\circ C$			0.80	
I_R Reverse Current	$V_R = 45V$	$T_J = 25^\circ C$			0.5	mA
	$V_R = 45V$	$T_J = 125^\circ C$			10	

THERMAL DATA

$R_{THj-case}$	Thermal Resistance Junction – Case	TBA
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* Pulse Test: Pulse Duration = 300 μs , Duty Cycle $\leq 2\%$