

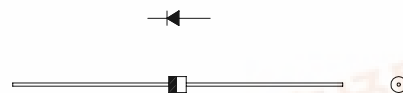


FRD Type :10ELS1

FEATURES

- * Miniature Size
- * Fast Recovery and Low Price
- * High Surge Capability
- * 100volts trough 600volts Types Available
- * 26mm and 52mm Inside Tape Spacing

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:0.17g

Rating		Symbol	10ELS1			Unit
Repetitive Peak Reverse Voltage		V _{RRM}	100			V
Non-repetitive Peak Reverse Voltage		V _{RSM}	250			V
Average Rectified Output Current	P.C.Board Mounted *	I _O	1	Ta=26°C	Half Sine Wave Resistive Load	A
RMS Forward Current		I _{F(RMS)}	1.57			A
Surge Forward Current		I _{FSM}	30	Half Sine Wave,1cycle,Non-repetitive		A
Operating JunctionTemperature Range		T _{jw}	- 40 to + 150			°C
Storage Temperature Range		T _{stg}	- 40 to + 150			°C

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current	I_{RM}	$T_j = 25^{\circ}\text{C}, V_{RM} = V_{RRM}$	-	-	10	μA
Peak Forward Voltage	V_{FM}	$T_j = 25^{\circ}\text{C}, I_{FM} = 1 \text{ A}$	-	-	1.1	V
Reverse Recovery Time	t_{rr}	$I_{FM} = 1 \text{ A}, -di/dt = 50 \text{ A}/\mu\text{s}, T_a = 25^{\circ}\text{C}$	-	-	150	ns
Thermal Resistance	$R_{th(j-a)}$	Without Fin or P.C.Board*	-	-	100	$^{\circ}\text{C}/\text{W}$

*:L=3mm, Print Lands = 7x7 mm, Both Sides

10ELS1 OUTLINE DRAWING (Dimensions in mm)

