

1.5A Avg.

400 Volts

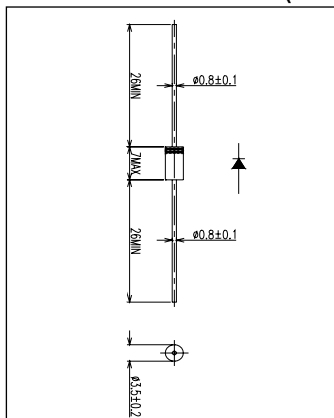
FRED

15KRA40

■最大定格 Maximum Ratings

Item	Symbol	Conditions	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	400	V
平均整流電流 Average Rectified Forward Current	$I_O$	50Hz, 正弦半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load	$T_a=35^{\circ}C^{*1}$ 1.5 $T_a=32^{\circ}C^{*2}$ 1.1 A
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	2.35	A
サージ順電流 Surge Forward Current	$I_{FSM}$	50 50Hz正弦半波, 1サイクル, 非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive	A
動作接合温度範囲 Operating Junction Temperature Range	$T_{jw}$	-40~+150	$^{\circ}C$
保存温度範囲 Storage Temperature Range	$T_{stg}$	-40~+150	$^{\circ}C$

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:0.38g

■電氣的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	$I_{RM}$	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	10	$\mu A$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^{\circ}C, I_{FM}=1.5A$	—	—	1.1	V
逆回復時間 Reverse Recovery Time	$t_{rr}$	$I_{FM}=1.5A, -di/dt=50 A/\mu s, T_j=25^{\circ}C$	—	—	160	ns
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	70	$^{\circ}C/W$
		プリント基板実装*1 単体フィン無し*2	—	—	105	$^{\circ}C/W$

\*1: プリント基板実装 / P.C. Board Mounted (L=8mm, Print Lands = 15×15 mm, Both Sides)

\*2: 単体フィン無し / Without Fin or P.C. Board

■定格・特性曲線

