

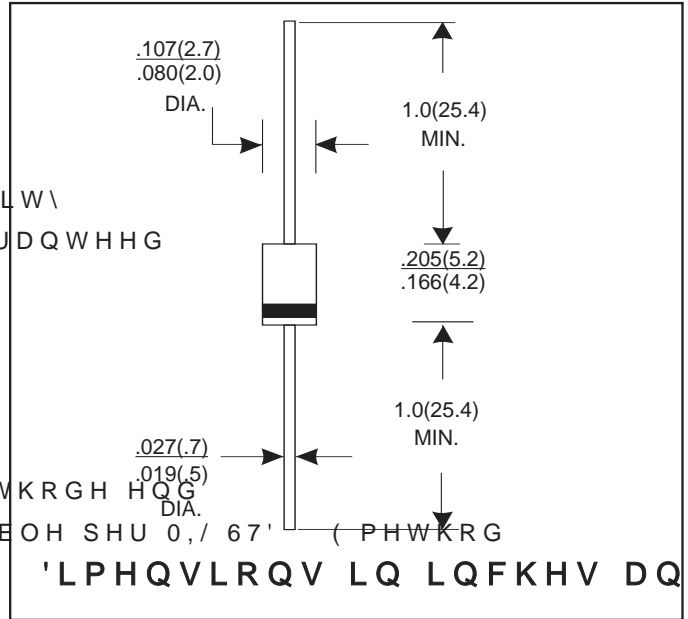
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FEATURES

"/RZ FRVW FRQVWUXFWLRQ
 ")DVW VZQWFRKU KLJK HILFLHQF\
 "/RZ UHYHUVH OHDNDJH
 "+LJKRUIZDUG VXUJH FXUUHQW FDSDELOLW\
 "+LJK WHPSHUDWXUH VROGHULQJ JXDUDQWHHG
 260°C/10 seconds, 0.375" (9.5mm) lead length at 5 lbs
 (2.3kg)tension

0 (& + \$ 1 , & \$ / ' \$ 7 \$

"&DVHDMQVIHU PROGHG SODVWLF
 "(SR\ 8/9 UDWH IODPH UHWDUGDQW
 "3RODULW\ &RORU EDQG GHQRWHV FDKRGH HQG
 "/HDG 3ODWHG D[LDO OHDG VROGHUDEOH SHU 0, / 67'
 F
 "ORXQWLQJ SRVLWLRQ \$Q\
 'LPHQVLRQV LQ LQFKHV DQG P



0 \$; , 0 8 0 5 \$ 7 , 1 * 6 \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & 6

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	SYMBOLS	FR101	FR102	FR103	FR104	FR105	FR106	FR107	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Average Forward Current (T _J =90)	IF(AV)	1.0							Amps
Peak Forward Surge Current (8.3ms, half sine)	IFSM	30							Amps
Maximum Instantaneous Forward Voltage (IFM=1.0A T _J =25)	VF	1.3							Volts
Maximum DC Reverse Current at rated DC blocking voltage	TA=25	5.0							-A
	TA=100	100							
Maximum reverse recovery time at IF=0.5A IR=1.0A, IRR=0.25A	trr,	150			250		500		ns
Typical Junction Capacitance	CJ	15							PF
Typical thermal resistance	54 - \$	50							/W
Operating junction and storage temperature range	TJTstg	-65to+150							

Note: 1. Measured at 1.0MHZ and applied reverse voltage of 4.0Volts

2. Thermal Resistance from Junction to Ambient at 0.375 s 9.5mm lead length, P,C, board mounted.

3. Reverse Recovery Test Condition: IF=0.5A, IR=1.0A, TRR=0.25A